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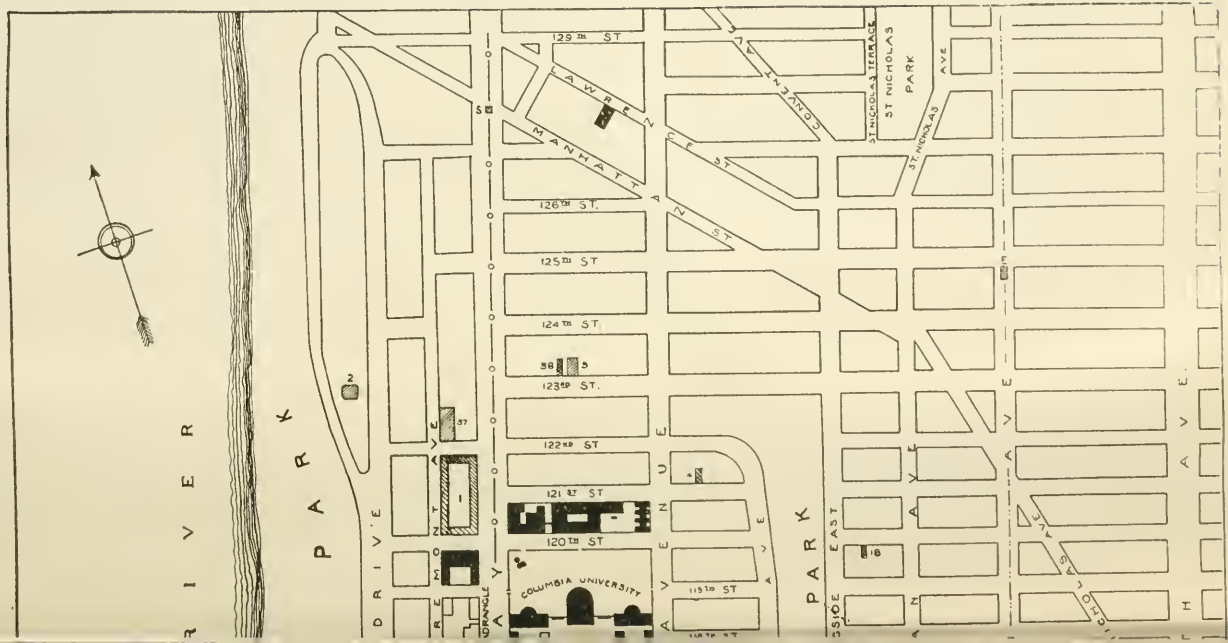

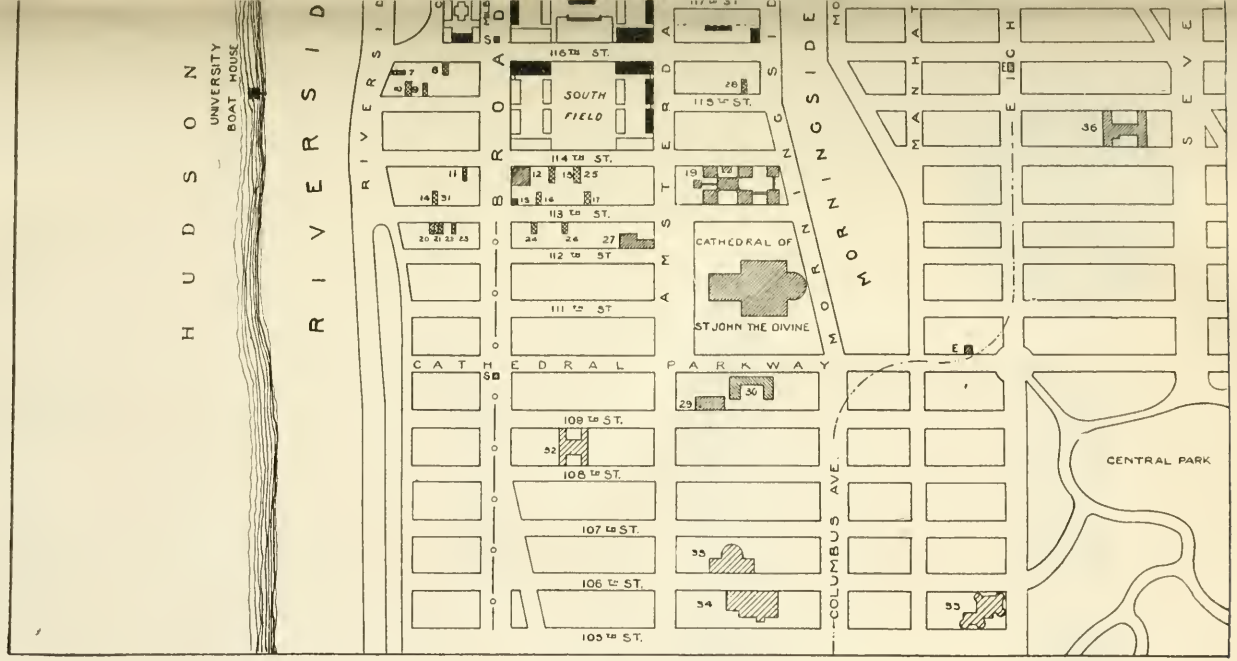

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The Dean of Teachers College
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(5)

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S. C. Wells.....Philadelphia Press, Philadelphia, Pa.

(12)

MEMBERS OF FACULTIES AND TEACHING STAFF

NICHOLAS MURRAY BUTLER.....President of the University
A.B., Columbia, 1882; A.M., 1883; Ph.D., 1884; LL.D., Syracuse, 1898; Tulane, 1901; Johns Hopkins, Princeton, Yale, and University of Pennsylvania, 1902; Chicago, 1903; Manchester and St. Andrews, 1905; Cambridge, 1907; Williams, 1908; Harvard and Dartmouth, 1909; Brown, 1914; D.Litt., Oxford, 1905; Jur.D., Breslau, 1911; Officier de la Légion d'Honneur, 1906, Commandeur, 1912; Order of the Red Eagle (Prussia), Commander, 1910; Member, American Academy of Arts and Letters, 1911.

Professors

HENRY S. MUNROE.....Professor of Mining
E.M., Columbia, 1869; Ph.D., 1876; Sc.D., 1904.

MUNROE SMITH.....Professor of Roman Law and Comparative Jurisprudence
A.B., Amherst, 1874; A.M., 1880; LL.B., Columbia, 1877; LL.D., 1904; J.U.D., Göttingen, 1880; J.D., Louvain, 1909.

RICHARD J. H. GOTTHEIL....Professor of Rabbinical Literature and the Semitic Languages
A.B., Columbia, 1881; Ph.D., Leipzig, 1886.

EDWIN R. A. SELIGMAN.....McVickar Professor of Political Economy
A.B., Columbia, 1879; A.M., 1883; LL.B., 1884; Ph.D., 1884; LL.D., 1904.

WILLIAM HENRY CARPENTER....Villard Professor of Germanic Philology and Provost of the University
A.B., Hamilton, 1881; Ph.D., Freiburg, 1881.

M. ALLEN STARR.....Professor of Neurology
A.B., Princeton, 1876; A.M., 1879; Ph.D., 1884; LL.D., 1899; M.D., Columbia, 1880; Sc.D., 1904.

ALFRED D. F. HAMLIN.....Professor of the History of Architecture
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ALFRED J. MOSES.....Professor of Mineralogy
E.M., Columbia, 1882; Ph.D., 1890.

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A.B., Trinity, 1881; A.M., 1884; M.D., Columbia, 1884; Sc.D., 1904; LL.D., Jefferson Medical College, 1907.

HERBERT L. OSGOOD.....Professor of History
A.B., Amherst, 1877; A.M., 1880; LL.D., 1907; Ph.D., Columbia, 1889.

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GEORGE W. KIRCHWEY.....Kent Professor of Law
A.B., Yale, 1877; LL.D., Yale, University of Cincinnati, New York University, 1908.

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A.B., Virginia, 1880; LL.D., Yale, 1901; Brown, 1914.

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FRANK DEMPSTER SHERMAN.....Professor of Graphics
Ph.B., Columbia, 1884.

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ADOLPHE COHN....Professor of the Romance Languages and Literatures
B. ès. L., Paris, 1868; LL.B., 1873; A.M., 1874; Chevalier de la Légion d'Honneur, 1900; Officier de la Légion d'Honneur, 1913. Cavaliere della Corona d'Italia.

EDMUND B. WILSON..... Da Costa Professor of Zoölogy
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JAMES FURMAN KEMP.....Professor of Geology
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ROBERT PEELE.....Professor of Mining
E.M., Columbia, 1883.

BRANDER MATTHEWS.....Professor of Dramatic Literature
A.B., Columbia, 1871; LL.B., 1873; A.M., 1874; LL.D., 1904; D.C.L., University of the South, 1899; Litt.D., Yale, 1901; LL.D., Miami, 1909; Chevalier de la Légion d'Honneur, 1907; Member American Academy of Arts and Letters.

MICHAEL IDVORSKY PUPIN.....Professor of Electro-Mechanics and Director of Phoenix Research Laboratories
A.B., Columbia, 1883; Sc.D., 1904; Ph.D., Berlin, 1889; Member of National Academy of Sciences.

WILLIAM H. BURR.....Professor of Civil Engineering
C.E., Rensselaer Polytechnic, 1872.

HENRY ALFRED TODD.....Professor of Romance Philology
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A.B., Union, 1877; A.M., 1889; Ph.D., 1897; LL.D., Oberlin, 1900.

GEORGE F. CANFIELD.....Professor of Law
A.B., Harvard, 1875; LL.B., 1880.

THOMAS SCOTT FISKE.....Professor of Mathematics
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[2]HAROLD JACOBY.....Rutherfurd Professor of Astronomy
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[1]JOHN B. CLARK.....Professor of Political Economy
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JAMES RIGNALL WHEELER.....Professor of Greek Archaeology and Art
A.B., Vermont, 1880; LL.D., 1909; Ph.D., Harvard, 1885.

FRANK N. COLE.....Professor of Mathematics
A.B., Harvard, 1882; A.M., and Ph.D., 1886.

[1] Absent on leave 1914–15.
[2] Absent on leave first half-year.

JAMES HARVEY ROBINSON.....Professor of History
A.B., Harvard, 1887; A.M., 1888; Ph.D., Freiburg, 1890.

FREDERIC S. LEE.....Dalton Professor of Physiology
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JAMES CHIDESTER EGBERT.....Professor of Latin
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A.B., Michigan, 1874; A.M., 1877; LL.D., 1904.

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A.B., College of the City of New York, 1886; A.M., Columbia, 1889; Ph.D., 1890; Chevalier de la Légion d'Honneur, 1910.

WILLIAM MILLIGAN SLOANE.....Seth Low Professor of History
A.B., Columbia, 1868; L.H.D., 1887; A.M., and Ph.D., Leipzig, 1876; LL.D., Rutgers, 1898; Princeton, 1903; Union, 1912; Chevalier de la Légion d'Honneur, 1910; Member American Academy of Arts and Letters.

EARL B. LOVELL.....Professor of Civil Engineering
C.E., Cornell, 1891.

FRANZ BOAS.....Professor of Anthropology
Ph.D., Kiel, 1881; LL.D., Clark, 1909; Sc.D., Oxford, 1912; Member of National Academy of Sciences.

JOHN FRANCIS WOODHULL.....Professor of Physical Science in Teachers College
A.B., Yale, 1880; Ph.D., Columbia, 1899.

FRANKLIN THOMAS BAKER.....Professor of the English Language and Literature in Teachers College
A.B., Dickinson, 1885; A.M., 1889; Litt.D., 1908; A.M., Columbia, 1900.

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VIRGIL PRETTYMAN.....Principal of Horace Mann School for Boys with rank of Assistant Professor in Teachers College
A.B., Dickinson, 1892; A.M., 1895; Pd.D., 1905.

JAMES EARL RUSSELL.....Barnard Professor of Education
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HELEN KINNE..Professor of Household Arts Education in Teachers College
Diploma, Teachers College, 1890.

FRANK M. MCMURRY....Professor of Elementary Education in Teachers College
Ph.D., Jena, 1889.

PAUL MONROE.....Professor of the History of Education in Teachers College
B.S., Franklin, 1890; M.S., 1895; Ph.D., Chicago, 1897.

[1]SAMUEL TRAIN DUTTON.....Professor of School Administration in Teachers College
A.B., Yale, 1873; A.M., 1900; LL.D., Baylor, 1912.

WILLIAM P. TRENT.....Professor of English Literature
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[1] Absent on leave 1914–15

HERBERT G. LORD.....Professor of Philosophy
A.B., Amherst, 1871; A.M., 1900.

NELSON GLENN MCCREA.....Anthon Professor of the Latin Language and Literature
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A.B., Johns Hopkins, 1883; Ph.D., 1886; LL.D., Franklin and Marshall, 1901.

CLARENCE H. YOUNG.....Professor of Greek
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891.

JAMES MACLAY.....Professor of Mathematics
C.E., Columbia, 1888; Ph.D., 1899.

MARSTON TAYLOR BOGERT.....Professor of Organic Chemistry
A.B., Columbia, 1890; Ph.B., 1894; LL.D., Clark, 1909.

J. LIVINGSTON RUTGERS MORGAN.....Professor of Physical Chemistry
B.S., Rutgers, 1892; A.M., and Ph.D., Leipzig, 1895.

HENRY E. CRAMPTON.....Professor of Zoölogy
A.B., Columbia, 1893; Ph.D., 1899.

EDWARD LEE THORNDIKE.....Professor of Educational Psychology in Teachers College
A.B., Wesleyan, 1895; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1898.

CHARLES HUBERT FARNSWORTH.....Associate Professor of School Music in Teachers College

HENRY S. REDFIELD.....Nash Professor of Law
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[1] DAVID EUGENE SMITH....Professor of Mathematics in Teachers College
Ph.B., Syracuse, 1881; Ph.M., 1884; Ph.D., 1887; LL.D., 1905; M.Pd., Michigan State Normal, 1898.

THOMAS DENISON WOOD.....Professor of Physical Education
A.B., Oberlin, 1888; A.M., 1891; M.D., Columbia, 1891.

CHARLES THADDEUS TERRY.....Professor of Law
A.B., Williams, 1889; LL.B., Columbia, 1893.

WALTER B. JAMES.....Professor of Clinical Medicine
A.B., Yale, 1879; M.D., Columbia, 1883; LL.D., 1904; A.M. (Hon.), Yale, 1906.

WILLIAM J. GIES.....Professor of Biological Chemistry
B.S., Pennsylvania College, 1893; M.S., 1896; Sc.D., 1914; Ph.B., Yale, 1894; Ph.D., 1897.

WILLIAM T. BREWSTER.....Professor of English
A.B., Harvard, 1892; A.M., 1893.

GEORGE CLINTON DENSMORE ODELL.....Professor of English
A.B., Columbia, 1889; A.M., 1890; Ph.D., 1893.

[2]CHARLES KNAPP.....Professor of Classical Philology
A.B., Columbia, 1887; A.M., 1888; Ph.D., 1890.

L. EMMETT HOLT.....Carpentier Professor of the Diseases of Children
A.B., Rochester, 1875; A.M., 1878; M.D., Columbia, 1880; Sc.D., 1904; Sc.D., Brown, 1914.

AMADEUS W. GRABAU.....Professor of Palaeontology
S.B., Mass. Inst. of Tech., 1896; S.M., Harvard, 1898; S.D., 1900.

HENRY ROGERS SEAGER.....Professor of Political Economy
Ph.B., Michigan, 1890; Ph.D., Pennsylvania, 1894.

[1] Absent on leave 1914–15. [2] Absent on leave second half-year.

HENRY L. MOORE.....Professor of Political Economy
A.B., Randolph-Macon, 1892; Ph.D., Johns Hopkins, 1896.

JOHN DYNELEY PRINCE.....Professor of Semitic Languages
A.B., Columbia, 1888; Ph.D., Johns Hopkins, 1892.

FREDERICK JAMES EUGENE WOODBRIDGE.....Johnsonian Professor of Philosophy
A.B., Amherst, 1889; A.M., 1898; LL.D., 1903.

FRIEDRICH HIRTH.....Dean Lung Professor of Chinese
A.M., and Ph.D., Rostock, 1869.

FELIX ADLER.....Professor of Social and Political Ethics
A.B., Columbia, 1870; Ph.D., Heidelberg, 1873.

[1]JULIUS SACHS....Professor of Secondary Education in Teachers College
A.B., Columbia, 1867; A.M., 1871; Ph.D., Rostock, 1871.

The Very Reverend WILFORD L. ROBBINS, D.D....Dean of the General Theological Seminary
A.B., Amherst, 1881; A.M., 1884; B.D., Episcopal Theol. School, 1887; D.D., St. Stephens, 1891; Amherst, 1903; Princeton, 1908; LL.D., Hobart, 1905.

[2]RALPH EDWARD MAYER..Associate Professor of Engineering Draughting
C.E., Columbia, 1879.

HERBERT MAULE RICHARDS.....Professor of Botany
B.S., Harvard, 1891; Sc.D., 1895.

GARY N. CALKINS.....Professor of Protozoölogy
B.S., Mass. Inst. of Tech., 1890; Ph.D., Columbia, 1898.

MARGARET E. MALTBY..Associate Professor of Physics in Barnard College
A.B., Oberlin, 1882; A.M., 1891; B.S., Mass. Inst. of Tech., 1891; Ph.D., Göttingen, 1895.

CASSIUS JACKSON KEYSER.....Adrain Professor of Mathematics
B.S., Missouri, 1892; A.M., Columbia, 1896; Ph.D., 1901.

MARSHALL H. SAVILLE.....Loubat Professor of American Archaeology

GEORGE L. MEYLAN....Associate Professor of Physical Education and Medical Director of the Gymnasium
M.D., New York University, 1896; B.S., Harvard, 1902; A.M., Columbia, 1904.

ELIJAH WILLIAM BAGSTER-COLLINS..Associate Professor of German in Teachers College
A.B., Brown, 1897; A.M., Columbia, 1898.

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B.S., Ohio Wesleyan, 1894; M.S., Northwestern, 1896; Ph.D., Harvard, 1901.

HENRY CARR PEARSON...Principal of Horace Mann School with rank of Assistant Professor in Teachers College
A.B., Harvard, 1892.

SAMUEL W. LAMBERT.....Professor of Clinical Medicine
A.B., Yale, 1880; Ph.B., 1882; M.A. (Hon.), 1905; M.D., Columbia, 1885

GEORGE E. BREWER.....Professor of Surgery
A.B., Hamilton, 1881; A.M., 1882; M.D., Buffalo, 1884; M.D., Harvard, 1885

VIRGIL P. GIBNEY.....Professor of Orthopaedic Surgery
A.B., Kentucky, 1869; A.M., 1872; LL.D., 1899; M.D., Bellevue, 1871.

[1] Absent on leave first half-year. [2] Absent on leave second half-year.

ARNOLD H. KNAPP.....Professor of Ophthalmology
A.B., Harvard, 1889; M.D., Columbia, 1892.

GORHAM BACON.....Professor of Otology
A.B., Harvard, 1875; M.D., Bellevue, 1878.

JAMES R. HAYDEN.....Professor of Genito-Urinary Diseases
M.D., Columbia, 1884.

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THOMAS HUNT MORGAN.....Professor of Experimental Zoölogy
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[1]GEORGE STUART FULLERTON.....Professor of Philosophy
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A.B., Harvard, 1887; A.M., 1889.

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CHARLES LANE POOR.....Professor of Celestial Mechanics
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CORNELIUS RÜBNER.....Professor of Music
Mus. Doc., George Washington, 1907.

ARTHUR WESLEY DOW.....Professor of Fine Arts in Teachers College

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HENRY H. RUSBY.....Professor of Materia Medica in the College of Pharmacy
M.D., University Medical College of New York, 1884.

GEORGE C. DIEKMAN.....Professor of Pharmacy in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1888; M.D., Columbia, 1901.

[1] Absent on leave 1914–15.

JOHN OEHLER.....Assistant Professor of Chemistry in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1879.

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B.S., Maryland Agricultural College, 1893; Sc.D., 1913; A.M., Columbia, 1896; Ph.D., 1897.

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A.B., Columbia, 1893; A.M., 1894; Ph.D., 1896.

JAMES T. SHOTWELL.....Professor of History
A.B., Toronto, 1898; Ph.D., Columbia, 1903.

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B.E.E., Tufts, 1894; Sc.D., 1911; Ph.D., Clark, 1897.

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Ph.B., Columbia, 1895.

[1]HENRY BEDINGER MITCHELL.....Professor of Mathematics
E.E., Columbia, 1898; A.M., 1900.

VLADIMIR G. SIMKHOVITCH.....Associate Professor of Economic History
Ph.D., Halle-Wittenberg, 1898.

EDWARD THOMAS DEVINE.....Professor of Social Economy
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M.D., Columbia, 1879.

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B.L., Minnesota, 1889; A.M., Columbia, 1902.

MARY ADELAIDE NUTTING.....Professor of Nursing in Teachers College
Diploma, Johns Hopkins Hospital Training School for Nurses, 1891.

NATHANIEL LORD BRITTON.....Director of the New York Botanical Garden
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[1] Absent on leave second half-year.

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Phar.G., New York College of Pharmacy, 1898; Phar.D., 1902.

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VAN HORNE NORRIE.....Professor of Clinical Medicine
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B.S., University of France, 1888; Pd.B., University of the State of New York, 1893.

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WILLIAM W. LAWRENCE.....Associate Professor of English
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A.B., Yale, 1877; LL.B., Boston, 1893.

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Ph.B., Pennsylvania, 1889; LL.D., 1909; Ph.D., Halle, 1892.

WILLIAM MANSFIELD, Phar.D.....Professor of Pharmacognosy in the College of Pharmacy

GEORGE D. STRAYER.....Professor of Educational Administration in Teachers College
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[1] Absent on leave second half-year.

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REV. FRANCIS BROWN, D.D..President of the Union Theological Seminary
A.B., Dartmouth, 1870; A.M., 1873; Ph.D., Hamilton, 1884; D.D., Dartmouth, 1884; Yale, 1894; Glasgow, 1901; Williams, 1908; Harvard, 1909; D.Litt., Oxford, 1901; LL.D., Dartmouth, 1901.

[1]EDWARD LAWRENCE KURTZ.....Assistant Professor of Mining
E.M., Columbia, 1893.

CARLTON CLARENCE CURTIS.....Associate Professor of Botany
A.B., Syracuse, 1889; Ph.D., 1893; A.M., Columbia, 1892.

WILLIAM R. WILLIAMS.....Associate Professor of Clinical Medicine
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[2]ARTHUR L. WALKER.....Professor of Metallurgy
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JOHN B. WALKER.....Professor of Clinical Surgery
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CHARLES NORTH DOWD.....Professor of Clinical Surgery
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CHARLES H. PECK.....Professor of Clinical Surgery
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MARIE REIMER.....Associate Professor of Chemistry in Barnard College
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GEORGE B. PEGRAM.....Associate Professor of Physics
A.B., Trinity (N. C.), 1895; Ph.D., Columbia, 1903.

CHARLES P. WARREN.....Assistant Professor of Architecture
Ph.B., Columbia, 1890; A.M., 1892.

BERGEN DAVIS.....Associate Professor of Physics
B.S., Rutgers, 1896; A.M., Columbia, 1900; Ph.D., 1901.

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Ph.G., New York College of Pharmacy, 1896; M.D., Columbia, 1900.

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WILLIAM D. GUTHRIE.....Ruggles Professor of Constitutional Law
A.M. (Hon.), Yale, 1904.

ADAM LEROY JONES....Chairman of Committee on Undergraduate Admissions and Associate Professor of Philosophy
A.B., Williams, 1895; Ph.D., Columbia, 1898.

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A.B., Toronto, 1894; M.D., Johns Hopkins, 1897.

HENRY RAYMOND MUSSEY.....Associate Professor of Economics
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A.B., Harvard, 1890; A.M., 1891; Ph.D., 1897.

FREDERICK P. KEPPEL.....Dean of Columbia College
A.B., Columbia, 1898; Chevalier de la Légion d'Honneur, 1911; Litt.D., Pittsburgh, 1912.

DAVID BOVAIRD, JR.....Assistant Professor of Clinical Medicine
A.B., Princeton, 1889; M.D., Columbia, 1892.

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DANIEL GREGORY MASON.....Assistant Professor of Music
A.B., Harvard, 1895.

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RAYMOND C. OSBURN.....Assistant Professor of Zoölogy
B.S., Ohio State, 1898; M.S., 1900; Ph.D., Columbia, 1906.

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B. és. L., Paris, 1875; B. en Dr., 1877; Lic. en Dr., 1878.

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A.B., Penn. College, 1900; A.M., 1903; Ph.D., Johns Hopkins, 1906.

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E.E., Syracuse, 1904; B.S., 1907.

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Ph.B., Cornell, 1892; Ph.D., 1901.

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E.E., Columbia, 1896.

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LA RUE VAN HOOK.....Associate Professor of Classical Philology
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CURT P. WIMMER.....Assistant Professor of Pharmacy in the College of Pharmacy
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CLIFFORD B. UPTON....Assistant Professor of Mathematics in Teachers College
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EVERETT J. HALL.....Assistant Professor of Assaying

FLOYD J. METZGER.....Assistant Professor of Industrial Chemistry
Ph.B., Buchtel, 1899; Ph.D., Columbia, 1902.

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SAMUEL OSGOOD MILLER.....Assistant Professor of Drawing
C.E., Columbia, 1895.

EDWARD F. KERN.....Assistant Professor of Metallurgy
B.S., Tennessee, 1897; Ph.D., Columbia, 1901.

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B.S., Nebraska, 1899; A.M., 1900; Ph.D., Columbia, 1904.

ALVAN A. TENNEY.....Assistant Professor of Sociology
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Mech.E., Stevens Inst. of Technology, 1884.

EUGENE E. AGGER.....Assistant Professor of Economics
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ROBERT L. SCHUYLER.....Assistant Professor of History
A.B., Columbia, 1903; A.M., 1904; Ph.D., 1909.

HENRY V. ARNY.....Professor of Chemistry in the College of Pharmacy
Ph.M., Philadelphia College of Pharmacy, 1889; Ph.D., Göttingen, 1896.

CHARLES SEARS BALDWIN.....Professor of Rhetoric and English Composition
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1894.

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ARTHUR H. BLANCHARD.....Professor of Highway Engineering
C.E., Brown, 1890; A.M., Columbia, 1902.

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WILLYSTINE GOODSELL....Assistant Professor of Education in Teachers College
B.S., Columbia, 1905; A.M., 1906; Ph.D., 1910.

ROBERT A. HARPER.....Torrey Professor of Botany
A.B., Oberlin, 1886; A.M., 1891; Ph.D., Bonn, 1896; Member of National Academy of Sciences.

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A.B., Johns Hopkins, 1897; M.D., 1901.

WILLIAM G. MARQUETTE.....Associate Professor of Botany
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FRANK HENRY PIKE.....Assistant Professor of Physiology
A.B., Indiana, 1903; Ph.D., Chicago, 1907.

ALEXANDER SMITH.....Professor of Chemistry
B.S., Edinburgh, 1886; Ph.D., Munich, 1889.

TALCOTT WILLIAMS.....Professor of Journalism and Director of the School of Journalism
A.B., Amherst, 1873; A.M., 1883; A.M. (Hon.), Pennsylvania, 1891; L.H.D., Amherst, 1896; Western Reserve, 1897; Pittsburgh, 1912; LL.D., Pennsylvania, 1895; Hobart, 1899; Western Reserve, 1909; Litt.D., Rochester, 1902.

JOHN W. CUNLIFFE....Professor of English and Associate Director of the School of Journalism
B.A., London, 1884; M.A. (Classics), 1886; M.A. (Modern Languages), 1888; D.Litt., 1892.

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CHARLES W. WEICK....Assistant Professor of Industrial Arts in Teachers College
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A.B., Yale, 1893; M.D., Columbia, 1896.

GERTRUDE M. HIRST.....Assistant Professor of Classical Philology in Barnard College
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AUSTIN W. LORD....Professor of Architecture and Director of the School of Architecture

ROMIETT STEVENS.....Assistant Professor of Secondary Education in Teachers College
B.S., Columbia, 1907; A.M., 1908; Ph.D., 1912.

WILLIAM H. WOGLOM....Assistant Professor engaged in Cancer Research
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WILLIAM C. CLARKE.....Assistant Professor of Surgery
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HENRY S. PATTERSON.....Assistant Professor of Clinical Medicine
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T. STUART HART.....Assistant Professor of Clinical Medicine
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LEWIS F. FRISSELL.....Assistant Professor of Clinical Medicine
A.B., Yale, 1895; A.M., 1897; M.D., Columbia, 1900.

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LEONARD D. NORSWORTHY.....Assistant Professor of Civil Engineering
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FRANK C. SCHROEDER.....Assistant Professor of Mechanics
B.S., Wisconsin, 1907; C.E., 1910.

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ALLAN ABBOTT.....Assistant Professor of English in Teachers College

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M.D., Columbia, 1895.

JOHN A. FORDYCE.....Professor of Dermatology and Syphilology
A.B., Adrian, 1878; A.M., 1889; Ph.D. (Hon.), 1901; M.D., Chicago Medical College, 1881; M.D., Berlin, 1888.

ANNE W. GOODRICH.....Assistant Professor of Nursing and Health in Teachers College

DANIEL D. JACKSON.....Assistant Professor of Civil Engineering
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GEORGE B. PRESTON.....Assistant Professor of Steam Engineering
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A.B., Richmond College, 1900; A.M., 1901; A.M., Columbia, 1905; Ph.D., 1907.

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CARL VAN DOREN.....Assistant Professor of English
A.B., Illinois, 1907; Ph.D., Columbia, 1911.

FRANK A. PATTERSON.....Assistant Professor of English
A.B., Syracuse, 1904; A.M., Columbia, 1907; Ph.D., 1911.

WESLEY C. MITCHELL.....Professor of Economics
A.B., Chicago, 1896, Ph.D., 1899.

JEAN BROADHURST....Assistant Professor of Biology in Teachers College
B.S., Columbia, 1903; A.M., 1908; Ph.D., Cornell, 1914.

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B.S., Columbia, 1905; A.M., 1906; Ph.D., 1911.

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A.B., Oberlin, 1909.

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B.S., Columbia, 1909.

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ALBERT GEOUFFRE DE LAPRADELLE..Visiting French Professor 1914–15
Professor of International Public Law in the University of Paris.

*THEODORE NIEMEYER, Ph.D. . Kaiser Wilhelm Professor of German History and Institutions for the year 1914–15
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*EUGEN OBERHUMMER, Ph.D. . . . . Visiting Austrian Professor 1914–15
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LEONARD C. VAN NOPPEN, A.M. . . Queen Wilhelmina Lecturer on the History, Language, and Literature of the Netherlands — **Special Lecturers**

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A.B., Yale, 1877; M.D., Columbia, 1880.

WALTER F. CHAPPELL . . . . . Professor of Clinical Laryngology
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FRANCIS HUBER . . . . . Professor of Clinical Medicine
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B.S., Kentucky State College, 1899; M.D., Johns Hopkins, 1907.

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Brevet Supérieur, Alger, 1900; Licence-ès-Lettres, Paris, 1906

HERBERT S. CARTER.....Clinical Medicine
A.B., Princeton, 1892; A.M., 1895; M.D., Columbia, 1895.

EDWARD M. COLIE, JR.....Clinical Obstetrics
A.B., Columbia, 1902; M.D., 1905.

ALBERT C. CREHORE.....Physiology
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GOLDTHWAITE H. DORR.....Law
A.B., Harvard, 1897; LL.B., Columbia, 1904.

HAVEN EMERSON.....Medicine
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LEMUEL W. FAMULENER.....Serology
Ph.C., Michigan, 1900; A.B., 1903; M.D., 1906.

MENAS S. GREGORY.....Psychiatry
M.D., Albany Medical College, 1898.

WILLIAM K. GREGORY.....Zoölogy
A.B., Columbia, 1900; A.M., 1905; Ph.D., 1910.

FREDERICK A. HALSEY.....Mechanical Engineering
B.M.E., Cornell, 1878.

FORBES HAWKES.....Clinical Surgery
A.B., Yale, 1887; M.D., Columbia, 1891.

WILLIAM W. HERRICK.....Medicine
A.B., Yale, 1902; M.D., 1905.

J. GARDNER HOPKINS.....Bacteriology
A.B., Columbia, 1902; M.D., Johns Hopkins, 1907.

BENJAMIN HOROWITZ.....Biological Chemistry
Chemist, Columbia, 1911; A.M., 1912; Ph.D., 1913.

MAX KAHN.....Biological Chemistry
M.D., Cornell, 1910; A.M., Columbia, 1911; Ph.D., 1912.

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M.D., Tulane, 1907.

ISAAC LEVIN.....Cancer Research
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ROBERT E. MACALARNEY.....Journalism
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EDGAR G. MILLER, JR.....Biological Chemistry
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LINCOLN DE GROOT MOSS.....Mechanical Engineering

F. F. NICKEL.....Mechanical Engineering

EUGENE H. POOL.....Surgery
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[1]MAURICE PRÉVOT.....Architecture
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B.S., Kansas, 1890; M.S., 1892; Ph.D., Chicago, 1902.

ALBERT E. SUMNER.....Clinical Medicine
A.B., Amherst, 1889; M.D., Columbia, 1894; A.M., 1903.

GEORGE M. SWIFT.....Clinical Medicine
A.B., Amherst, 1876; A.M., 1879; M.D., Columbia, 1879.

HENRY C. THACHER.....Medicine
A.B., and M.S., Yale, 1902; M.D., Johns Hopkins, 1906.

FRANK E. WARD.....Music

WILBUR WARD.....Gynecology
A.B., Williams, 1900; M.D., Columbia, 1904.

ARTHUR WARE.....Architecture
B.S., Columbia, 1898; Diplomé, Ecole des Beaux-Arts, 1903.

MABEL F. WEEKS.....English
A.B., Radcliffe, 1894.

[1] Absent on leave 1914–15.

WILLIAM WEINBERGER.....Biological Chemistry
M.D., Vienna, 1894; M.S., New York University, 1901.

JOSEPH S. WHEELWRIGHT.....Physiology
A.B., Yale, 1897; M.D., Cornell, 1900.

HORATIO B. WILLIAMS.....Physiology
A.B., Syracuse, 1900; M.D., 1905.
(44)

Instructors

L. HERBERT ALEXANDER.....Romance Languages and Literatures
A.B., Toronto, 1883; A.M., 1885; Ph.D., Columbia, 1911.

HUGH AUCHINCLOSS.....Surgery
A.B., Yale, 1901; M.D., Columbia, 1905.

CLARENCE G. BANDLER.....Clinical Genito-Urinary Diseases
M.D., Columbia, 1904.

FREDERICK BARRY.....Chemistry
A.B., Harvard, 1897; A.M., 1909; Ph.D., 1911.

FREDERICK H. BARTLETT.....Diseases of Children
A.B., Harvard, 1895; A.M., Columbia, 1898; M.D , 1905.

GOTTLIEB A. BETZ.....Germanic Languages and Literatures
A.B., Rochester, 1901; A.M., Pennsylvania, 1911.

HUGH B. BLACKWELL.....Clinical Otology
M.D., Virginia, 1901.

ALFRED J. BROWN.....Anatomy
A.B., Yale, 1899; M.D., Columbia, 1903.

LEO BUERGER.....Clinical Surgery
A.B., College of the City of New York, 1897; A.M. and M.D., Columbia, 1901.

HENRY G. BUGBEE.....Clinical Surgery
M.D., Columbia, 1903.

SIDNEY R. BURNAP.....Surgery
A.B., Yale, 1905; M.D., Columbia, 1909.

ARTHUR M. BUSWELL.....Sanitary Chemistry
A.B., Minnesota, 1910; A.M., Maine, 1912.

ROBERT P. CALVERT.....Chemistry
A.B., Oklahoma, 1909; A.M., 1910; S.M., Chicago, 1911; Ph.D., Columbia, 1914.

MATTHEW L. CARR.....Otology
A.B., Wake Forest, 1889; M.D., Columbia, 1892.

LOUIS CASAMAJOR.....Neurology
A.B., Columbia, 1903; A.M. and M.D., 1906.

RUSSELL L. CECIL.....Clinical Medicine
A.B., Princeton, 1902; M.D., University College of Medicine, Richmond, Va., 1906.

F. MORRIS CLASS.....Clinical Medicine
A.B., Harvard, 1903; M.D., Columbia, 1907.

GERHARD H. COCKS.....Clinical Laryngology
A.B., Yale, 1899; M.D., Columbia, 1903.

ELBRIDGE COLBY.....English
A.B., Columbia, 1912.

ARTHUR P. COLL.....Laryngology
M.D., Columbia, 1890.

HOWARD D. COLLINS.....Clinical Surgery
A.B., Yale, 1890; M.D., Columbia, 1893.

KARL A. CONNELL.....Surgery
M.D., Columbia, 1900.

[1]WILLIAM F. COOLEY.....Philosophy
B.S., New York University, 1878; M.S., 1892; B.D., Union Theological Seminary, 1907; Ph.D., Columbia, 1909.

JOHN J. COSS.....Philosophy
A.B., Wabash, 1906; A.M., Columbia, 1908; B.D., Union Theological Seminary, 1909.

JOHN R. CRAWFORD.....Roman Archaeology
A.B., Allegheny, 1906; A.M., Harvard, 1908.

HAROLD B. CURTIS.....Mathematics
A.B., Cornell, 1907; Ph.D., 1910.

EDWARD CUSSLER.....Clinical Medicine
M.D., Columbia, 1904.

HENRY W. L. DANA.....English
A.B., Harvard, 1903; A.M., 1904; Ph.D., 1910.

BYRON C. DARLING.....Orthopaedic Surgery
M.D., Harvard, 1903.

PAULINE H. DEDERER.....Zoölogy
A.B., Columbia, 1901; A.M., 1907.

IRVING C. DEMAREST.....Classical Philology
A.B., Columbia, 1908; A.M., 1909.

GEORGE R. DEMPSEY.....Pathology
M.D., Cornell, 1911.

RICHARD DERBY.....Clinical Surgery
A.B., Harvard, 1903; M.D., Columbia, 1907.

BERNARD O. DODGE.....Botany
Ph.B., Wisconsin, 1909; Ph.D., Columbia, 1912.

GEORGE DRAPER.....Clinical Medicine
A.B., Harvard, 1903; M.D., Columbia, 1906.

HENRY B. DROWNE.....Highway Engineering
C.E., Brown, 1903.

JAMES G. DWYER.....Bacteriology
M.D., Queen's, 1905.

ARTHUR B. EISENBREY.....Clinical Surgery
Ph.B., Western Reserve, 1903; M.D., 1906.

EDWARD S. ELLIOTT.....Physical Education
M.D., Tufts, 1908; S.B., Boston, 1912.

ARTHUR D. EMMETT.....Biological Chemistry
B.S., Illinois, 1901; A.M., 1905.

JOSEPH E. ENGELSON.....Obstetrics
M.D., Columbia, 1906.

FRANK ERDWURM.....Clinical Medicine
B.S., New York University, 1899; M.D., Columbia, 1903.

HAROLD A. FALES.....Chemistry
B.S., Brooklyn Polytechnic, 1911; A.M., Columbia, 1914.

HERMON W. FARWELL.....Physics
A.B., Dartmouth, 1902; A.M., 1906.

JAMES K. FINCH.....Civil Engineering
C.E., Columbia, 1906; A.M., 1911.

[1] Absent on leave 1914–15.

CHARLES A. FISCHER.....Mathematics
A.B., Wheaton, 1905; A.M., Illinois, 1910; Ph.D., Chicago, 1912.

HERMANN FISCHER.....Clinical Surgery
M.D., Columbia, 1896.

HARRY L. FISHER.....Organic Chemistry
A.B., Williams, 1909; A.M., Columbia, 1910; Ph.D., 1912.

EDWARD J. FORTIER.....Romance Languages and Literatures
A.B., Tulane, 1904.

DIXON R. FOX.....History
A.B., Columbia, 1911; A.M., 1912.

FRANCIS R. FRASER.....Clinical Medicine
A.B., Cambridge, 1907; M.B. and Ch.B., Edinburgh, 1910.

ANTHONY C. FREEMAN.....Pharmacology
A.B., Stanford, 1906; M.D., Columbia, 1910.

RICHARD FROTHINGHAM.....Laryngology
M.D., Harvard, 1892.

HARRY F. GARDNER.....Mineralogy
B.S., Michigan, 1912.

H. RAWLE GEYELIN.....Clinical Pathology
A.B., Pennsylvania, 1906; M.D., 1909.

ALEXANDER GOLDENWEISER.....Anthropology
A.B., Columbia, 1902; A.M., 1904; Ph.D., 1910.

FREDERIC G. GOODRIDGE.....Biological Chemistry
A.B., Harvard, 1897; M.D., Columbia, 1901.

GEORGE M. GOODWIN.....Pharmacology

DONALD GORDON.....Physiology
M.D., Columbia, 1906.

GORDON H. GRAVES.....Mathematics
B.S., Earlham, 1905; A.B., Haverford, 1906; A.M., Columbia, 1909.

JESSE M. GRAY.....Germanic Languages and Literatures
A.B., Olivet, 1904; A.M., Columbia, 1913.

NATHAN W. GREEN.....Surgery
A.B., Yale, 1894; A.M. and M.D., Columbia, 1898.

LOUISE H. GREGORY.....Zoölogy
A.B., Vassar, 1903; A.M., Columbia, 1907; Ph.D., 1909.

GERALD H. GROUT.....Ophthalmology
M.D., Columbia, 1902.

ROSCOE GUERNSEY.....Classical Philology
A.B., Union, 1896; Ph.D., Johns Hopkins, 1901.

JULES V. HABERMAN.....Psycho-Therapy
A.B., Columbia, 1903; M.D., 1905.

ROBERT M. HAIG.....Economics
A.B., Ohio Wesleyan, 1908; A.M., Illinois, 1909; Ph.D., Columbia, 1914.

HENRY E. HALE.....Clinical Medicine
A.B., Princeton, 1892; A.M., 1896; M.D., Columbia, 1896.

FAIRFAX HALL.....Medicine
Ph.B., Yale, 1907; M.D., Columbia, 1911.

WILLIAM HALLER.....English
A.B., Amherst, 1908; A.M., Columbia, 1911.

MRS. JULIANA HASKELL.....Germanic Languages and Literatures
A.B., Columbia, 1904; A.M., 1905; Ph.D., 1908.

ROYAL S. HAYNES.....Diseases of Children
Ph.B., Cornell, 1899; M.D., Columbia, 1903.

FRANCIS W. HEAGEY.....Anatomy
A.B., Princeton, 1908; M.D., Columbia, 1912.

FREDERICK W. HEHRE.....Electrical Engineering
E.E., Columbia, 1908.

OTTO HENSEL.....Clinical Medicine
Ph.G., New York College of Pharmacy, 1895; M.D., Columbia, 1900.

ARTHUR L. HERRICK.....Mechanical Engineering
B.S., Dartmouth, 1909; C.E., Wisconsin, 1910.

WARREN HILDRETH.....Obstetrics
A.B., Princeton, 1906; M.D., Columbia, 1910.

WARD A. HOLDEN.....Ophthalmology
A.B., Marietta, 1884; A.M., 1888; M.D., Medical College of Ohio, 1887.

RANSOM S. HOOKER.....Clinical Surgery
B.L., Hobart, 1895; M.D., Columbia, 1900.

CLARE M. HOWARD.....English
A.B., Columbia, 1903; A.M., 1904; Ph.D., 1914.

HUBERT S. HOWE.....Clinical Medicine (also Assistant in Pathology)
A.B., Denver, 1908; M.D., Columbia, 1912.

EDWARD F. HUMPHREY.....History
A.B., Minnesota, 1903; A.M., Columbia, 1909; Ph.D., 1912.

E. LIVINGSTON HUNT.....Clinical Neurology
A.B., Harvard, 1893; M.D., Columbia, 1896.

EMILIE J. HUTCHINSON.....Economics
A.B., Columbia, 1905; A.M., 1908.

MAUDE A. HUTTMANN.....History
B.S., Columbia, 1904; A.M., 1905; Ph.D., 1914.

LOUIS IMBERT.....Spanish
A.B., Missouri, 1906; A.M., 1907.

CHARLES H. JAEGER.....Orthopaedic Surgery
M.D., Columbia, 1896.

HENRY JAMES.....Medicine
A.B., Yale, 1903; M.D., Columbia, 1907.

D. STUART DODGE JESSUP.....Clinical Pathology
A.B., Princeton, 1891; A.M., 1894; M.D., Columbia, 1894.

EDWARD K. JUDD.....Mining
A.B., Williams, 1901; E.M., Columbia, 1904.

ELEANOR KELLER.....Chemistry
A.B., Columbia, 1900; A.M., 1910.

JAMES KENDALL.....Chemistry
M.A., Edinburgh, B.Sc.

BENJAMIN B. KENDRICK.....History
B.S., Mercer, 1905; A.M., Columbia, 1911.

ROLFE KINGSLEY.....Genito-Urinary Diseases
Ph.B., Yale, 1902; M.D., Columbia, 1906.

THOMAS B. KIRKPATRICK.....Physical Education
B.S., Columbia, 1910; A.M., 1911.

CHARLES W. KNAPP.....Clinical Medicine
A.B., Yale, 1908; M.D., Columbia, 1913.

ALBERT R. LAMB.....Pathology and Clinical Medicine
A.B., Yale, 1903; M.D., Columbia, 1907.

GRACE LANGFORD.....Physics
S.B., Mass. Inst. of Tech., 1900.

MARION A. LATHAM.....Botany
A.B., Columbia, 1903; A.M., 1905.

JOHN LESHURE.....Laryngology
A.B., College of the City of New York, 1894; M.D., Columbia, 1898.

RALPH W. LOBENSTINE.....Clinical Gynecology
A.B., Yale, 1896; M.D., Columbia, 1900.

GERHARD R. LOMER.....English
A.B., McGill, 1903; A.M., 1904; Ph.D., Columbia, 1910.

JOSEPH F. MCCARTHY.....Clinical Genito-Urinary Diseases
Phar.D., New York College of Pharmacy, 1896; M.D., Columbia, 1901.

M. THOMPSON MCCLURE, JR.....Philosophy
A.B., Washington and Lee, 1904; A.M., Virginia, 1907; Ph.D., Columbia, 1912.

JOHN A. MCCREERY.....Surgery
A.B., Harvard, 1906; A.M., 1907; M.D., Columbia, 1910.

JOHN E. MCWHORTER.....Surgery
M.D., Columbia, 1898.

CLARENCE A. MCWILLIAMS.....Clinical Surgery
A.B., Princeton, 1892; A.M., 1895; M.D., Columbia, 1895.

JAMES S. MACGREGOR.....Civil Engineering
B.S., Mass. Inst. of Tech., 1902; M.S., 1904.

GEORGE M. MACKEE.....Dermatology and Syphilology
M.D., New York University and Bellevue Hospital Medical College, 1899.

ARTHUR W. MACMAHON.....Politics
A.B., Columbia, 1912.

FRANK L. MASON.....Electrical Engineering
E.E., Columbia, 1909.

HOWARD H. MASON.....Diseases of Children
A.B., Brown, 1900; M.D., Columbia, 1904.

WILLIAM S. MESSER.....Classical Philology
A.B., Columbia, 1905; A.M., 1909.

ALFRED MICHAELIS.....Otology
A.B., College of the City of New York, 1894; M.D., Columbia, 1898.

LEIGHTON B. MORSE.....Physics
Ph.B., Iowa College, 1903; Ph.D., Columbia, 1908.

GEORGE W. MULLINS.....Mathematics
A.B., Arkansas, 1904; A.M., Columbia, 1913.

ARTHUR E. NEERGAARD.....Medicine
A.B., Yale, 1904; M.D., Columbia, 1910.

NATHANIEL R. NORTON.....Diseases of Children
Ph.B., Yale, 1891; M.D., Columbia, 1894.

JAMES I. OSBORNE.....English
A.B., Wabash, 1906; A.M., 1907; B.A., Oxford, 1913.

REUBEN OTTENBERG.....Bacteriology
A.B., Columbia, 1902; M.D., 1905.

CHARLES PACKARD.....Zoölogy
B.S., Syracuse, 1907; M.S., 1908; Ph.D., Columbia, 1914.

HAROLD E. B. PARDEE.....Physiology
A.B., Columbia, 1906; M.D., 1909.

ALBERT T. POFFENBERGER, JR.....Psychology
A.B., Bucknell, 1909; A.M., Columbia, 1910; Ph.D., 1912.

ALLEN W. PORTERFIELD.....Germanic Languages and Literatures
A.B., West Virginia, 1900; A.M., 1901; Ph.D., Columbia, 1911.

CHARLES I. PROBEN.....Gynecology
Ph.G., College of Pharmacy, 1883; M.D., Columbia, 1890.

EDWIN G. RAMSDELL.....Surgery
A.B., Columbia, 1905; M.D., 1908.

HARRY W. REDDICK.....Mathematics
A.B., Indiana, 1904; A.M., Illinois, 1906; Ph.D., Columbia, 1911.

JAMES I. RUSSELL.....Clinical Surgery
A.B., Virginia, 1897; M.D., Columbia, 1901.

GEORGE H. RYDER.....Gynecology
A.B., Yale, 1894; M.D., Columbia, 1899.

T. LAURANCE SAUNDERS.....Otology
A.B., Williams, 1900; M.D., Columbia, 1904.

MAX SCHULMAN.....Clinical Medicine
M.D., Columbia, 1905.

HENRY H. L. SCHULZE.....Germanic Languages and Literatures
A.B., College of the City of New York, 1903; A.M., Columbia, 1905.

OTTO M. SCHWERDTFEGER.....Clinical Medicine
M.D., Long Island Medical College, 1898.

WILLARD L. SEVERINGHAUS.....Physics
A.B., German Wallace College, 1904; A.M., 1905; Ph.D., Columbia, 1914.

JAMES C. SHARP.....Anatomy
M.D., Columbia, 1901.

LEANDER H. SHEARER.....Physiology and Clinical Medicine
A.B., Princeton, 1897; M.D., Columbia, 1901.

MAURICE J. SITTENFIELD.....Pathology
M.D., Bellevue Hospital Medical College, 1898.

CHARLES H. SMITH.....Diseases of Children
B.S., Cornell, 1897; M.D., Columbia, 1901.

ROBERT C. SNYDER.....Clinical Medicine
M.D., Toronto, 1904.

FORDYCE B. ST. JOHN.....Anatomy and Clinical Surgery
B.S., Princeton, 1905; M.D., Columbia, 1909.

DEWITT STETTEN.....Clinical Surgery
M.D., Columbia, 1901.

WILLIAM W. STIFLER.....Physics
A.B., Shurtleff, 1902; A.M., Illinois, 1908; Ph.D., 1911.

ALFRED STILLMAN.....Clinical Surgery
A.B., Harvard, 1903; M.D., Columbia, 1907.

ARTHUR P. STOUT.....Clinical Surgery
A.B., Yale, 1907; M.D., Columbia, 1912.

OLIVER S. STRONG.....Anatomy
A.B., Princeton, 1886; A.M., Columbia, 1892; Ph.D., 1896.

ETHEL STURTEVANT.....English
A.B., Wellesley, 1906; A.M., Columbia, 1914.

RUPERT TAYLOR.....English
A.B., Arkansas, 1903; A.M., 1906; Ph.D., Columbia, 1911.

ARTHUR H. TERRY, JR.....Physiology
A.B., Yale, 1906; M.D., Columbia, 1910.

BENJAMIN T. TERRY.....Pathology
A.B., Vanderbilt, 1898; A.M., 1900; M.D., Johns Hopkins, 1904.

ARTHUR W. S. THOMAS.....Food Chemistry
Chemist, Columbia, 1912; A.M., 1914.

WALTER TIMME.....Neurology
B.S., College of the City of New York, 1893; M.D., Columbia, 1897.

HENRY H. TYSON.....Ophthalmology
M.D., University Medical College, New York, 1887.

ROYAL C. VAN ETTEN.....Gynecology
A.B., Amherst, 1906; M.D., Columbia, 1910.

JOHN C. VAUGHAN.....Anatomy and Surgery
M.D., Columbia, 1907.

ARTHUR S. VOSBURGH.....Clinical Surgery
A.B., Columbia, 1890; M.D., 1893.

MORRIS F. WEINRICH.....Physics
Mech. E., Columbia, 1904; A.M., 1907; Ph.D., 1909.

ALLEN O. WHIPPLE.....Clinical Surgery
B.S., Princeton, 1904; M.D., Columbia, 1908.

JAMES R. WHITING.....Genito-Urinary Diseases
A.B., Harvard, 1893; M.D., Columbia, 1896.

HERBERT L. WHITTEMORE.....Mechanics
B.S., Wisconsin, 1903; Mech.E., 1910.

HERBERT B. WILCOX.....Diseases of Children
A.B., Yale, 1898; M.D., Columbia, 1902.

FRIEDRICH O. WILLHÖFFT.....Mechanical Engineering
A.B., Leipzig, 1894; M.E. and A.M., Columbia, 1904.

PERCY H. WILLIAMS.....Gynecology
A.B., Princeton, 1897; M.D., Columbia, 1901.

FRED WISE.....Dermatology and Syphilology
M.D., Columbia, 1904.

ISAAC O. WOODRUFF.....Clinical Medicine
A.B., College of the City of New York, 1900; M.D., Columbia, 1904.

FRANK C. YEOMANS.....Surgery
A.B., Yale, 1897; M.D., Cornell, 1900.
(165)

Lecturers

JAMES R. ANGELL, A.M.....Psychology

EARLE B. BABCOCK, Ph.B.....Romance Languages and Literatures

JULIAN BLANCHARD, A.M.....Physics

TRAUGOTT BÖHME, Ph.D.....Germanic Languages and Literatures

ROBERT H. BROWN, S.B.....Sanitary Engineering

CARLE DAWES CLARK, M.E.....Mining

REV. FATHER CORNELIUS CLIFFORD, A.B.....Philosophy
MRS. ESTELLE H. DAVIS.....English
WILLIAM S. DAY, Ph.D.....Physics
PIERRE DE BACOURT, B.S., B.L.....Romance Languages
DEAN S. FANSLER, Ph.D.....English
MRS. CHRISTINE LADD-FRANKLIN, LL.D.....Psychology
GRACE H. GOODALE, A.B.....Classical Philology
PHILIP K. HITTI, A.B....Semitic Languages (Gustav Gottheil Foundation)
MINOR W. LATHAM, A.M.....English
SEABURY C. MASTICK.....Chemical Patents
MRS. RUTH RAEDER MOOK, A.M.....Geology
ROBERT B. OWEN, Ph.D.....Philosophy
OSCAR H. ROGERS, M.D.....Life Insurance Examination
HENRY SLONIMSKY, Ph.D.....Philosophy
DONALD S. TUCKER, A.M.....Economics
FREDERICK A. VANDERBURGH, Ph.D.....Semitic Languages
WILLETT LEE WAGNER.....Mining
ABRAHAM YOHANNAN, Ph.D.....Oriental Languages
(24)

Curators

RICHARD F. BACH, A.B.....Architecture
MARJORIE O'CONNELL, A.M.....Palaeontology
RALPH W. TOWER, Ph.D...Natural Science Collections in the Library
(3)

Assistants

EDGAR ALTENBURG, A.M.....Botany
JOHN C. BAKER, B.S., M.Pd.....Engineering Chemistry (Laboratory)
FREDERIC W. BANCROFT, M.D.....Surgery
ROBERT BERSOHN, A.M.....Biological Chemistry
J. MALCOLM BIRD, A.B.....Mathematics
WILLIAM B. BOYD, M.D.....Clinical Medicine
CLEMENT S. BRAININ, A.B.....Physics
LILIAN BRANDT, A.M.....Social Economy
LAURA C. BRANT, A.M.....Physics
GASTON A. CARLUCCI, M.D.....Clinical Pathology
SAMUEL C. COOPER, B.S.....Electrical Engineering
JAMES A. CORSCADEN, M.D.....Surgery
CALVIN B. COULTER, M.D.....Bacteriology
CLARKE E. DAVIS, A.M.....Engineering Chemistry
PHILIP L. DAVIS, A.B.....Engineering Chemistry
KIRBY DWIGHT, M.D.....Surgery
WILLIAM B. EDDISON, M.E.....Mechanical Engineering
ROY C. FAULWETTER, A.B.....Botany
CYRUS W. FIELD, M.D.....Pathology
GILBERT D. FISH, C.E.....Civil Engineering
LEON FRASER, A.M.....Politics

Frederick S. Goucher, A. M. ..... Physics
Gaylord W. Graves, M.D. ..... Diseases of Children
Cyril W. Greenland, B.Sc. ..... Mineralogy
Paul C. Haeseler, S.B. ..... Chemistry
Baxter P. Hamilton, E.E. ..... Electrical Engineering
B. Wallace Hamilton, M.D. ..... Diseases of Children
Laura Hatch, M.S. ..... Geology
Arthur S. Hill, E.E. ..... Electrical Engineering
Phebe E. Hoffman, A.M. ..... History
Lefferts Hutton, M.D. ..... Clinical Medicine
John D. Kernan, Jr., M.D. ..... Anatomy
Samuel H. Knight, A.B. ..... Palaeontology
Eugene H. Leslie, B.S. ..... Chemistry
Victor E. Levine, Ph.D. ..... Biological Chemistry
Mrs. Florence de L. Lowther, A.B. ..... Zoölogy
Alexander Lowy, A.M. ..... Electro-Chemistry (Laboratory)
Kenneth R. McAlpin, M.D. ..... Clinical Pathology
Stafford McLean, M.D. ..... Diseases of Children
Frank J. McMackin, A.M. ..... Mathematics
George M. Mackenzie, M.D. ..... Pathology
Melvin A. Martin, A.M. ..... Psychology
William J. Mersereau, M.D. ..... Diseases of Children
Frederick Miller, C.E. ..... Civil Engineering
John J. B. Morgan, A.M. ..... Psychology
Hermann J. Muller, A.M. ..... Zoölogy
William H. Murphy, B.S. ..... Physics
George S. Parker, E.E. ..... Electrical Engineering
George W. Peckham, Jr., A.B. ..... Philosophy
William A. Perlzweig, A.M. ..... Biological Chemistry
Gouverneur M. Phelps, M.D. ..... Surgery
Otto C. Pickhardt, M.D. ..... Anatomy
Frederick Prime, Jr., M.D. ..... Cancer Research
Laurence F. Rainsford, M.D. ..... Medicine
Mark S. Reuben, M.D. ..... Diseases of Children
Edwin A. Riesenfeld, M.D. ..... Diseases of Children
Henry A. Riley, M.D. ..... Pathology
George L. Rohdenburg, M.D. ..... Cancer Research
Mrs. Una B. Sait, Ph.D. ..... Philosophy
Jesse F. Sammis, M.D. ..... Diseases of Children
Roger B. Saylor, A.B. ..... Physics
A. J. Scarlett ..... Physical Chemistry (Laboratory)
George Scatchard, A.B. ..... Chemistry
Oscar M. Schloss, M.D. ..... Diseases of Children
George A. Scott, B.S. ..... Physics
Victor B. Seidler, M.D. ..... Pathology

CAROLYN SHELDON, A.B. ..... History
HERBERT N. SHENTON, A.M. ..... Sociology
WALDO SHUMWAY, A.M. ..... Zoölogy
LEWIS M. SILVER, M.D. ..... Diseases of Children
WARREN S. SMITH, A.M. ..... Geology
MARY W. STEWART, A.B. ..... Botany
RALPH R. STEWART, A.B. ..... Botany
ERNEST G. STILLMAN, M.D. ..... Pathology
VIOLA TURCK, A.B. ..... Chemistry
CLAYTON ULREY, A.M. ..... Physics
FREDERICK T. VAN BEUREN, M.D. ..... Surgery
JOHN A. VIETOR, M.D. ..... Anatomy and Surgery
FREDERICK P. WHITAKER, LL.B. ..... Law
E. STAGG WHITIN, Ph.D. ..... Social Legislation
ROY U. WOOD, Met. E. ..... Metallurgy
WILLIAM C. WOOLSEY, M.D. ..... Surgery
CECIL YAMPOLSKY, B.S. ..... Botany (Research)
ANNA B. YATES, A.B. ..... Chemistry
DONNELL B. YOUNG, B.S. ..... Zoölogy

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Clinical Assistants

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

MEDICINE: J. EPSTEIN, M.D., G. A. FRIEDMAN, M.D., M. FRIEDSON, M.D., B. GLASGOW, M.D., S. J. GOLDFARB, M.D., ALFRED C. HENDERSON, M.D., F. C. HORSFORD, M.D., WALTER C. HURWITZ, M.D., ARTHUR M. JACOBUS, M.D., C. W. KNAPP, M.D., CHARLES M. MANN, M.D., M. D. MISLIG, M.D., V. PASCALE, M.D., BARNETT QUEL, M.D., ALEXANDER ROSENTHAL, M.D., JULIUS W. WEINSTEIN, M.D., HERBERT J. WIENER, M.D., ANIBAL ZELAYA, M.D.

SURGERY: A. C. BURNHAM, M.D., EDWARD A. CAIN, D.D.S., HENRY S. DUNNING, M.D., ALTON FISHER, D.D.S., C. J. HARBECK, M.D., J. A. O'CONNOR, M.D., FRANK J. REMY, D.D.S., HOWARD W. SCHWARTZ, M.D., FRANK S. SHIELDS, D.D.S., R. L. STERN, D.D.S.

ORTHOPAEDIC SURGERY: SIGMUND BOORSTEIN, M.D., WILLIAM FRIEDER, M.D., CARL R. KEPPLER, M.D., C. H. SANFORD, M.D.

NEUROLOGY: LOUIS A. ARONSON, M.D., GEORGE A. BLAKESLEE, M.D., GUSTAV F. BOEHME, M.D., SANGER BROWN, 2d, M.D., LEON H. CORNWELL, M.D., FREDERICK J. CROUZELMAN, M.D., N. J. GOTTSBRATT, M.D., S. R. LEAHY, M.D., J. L. MACUMBER, M.D., CARROLL L. NICHOLS, M.D., JAMES M. O'NEILL, M.D., ROBERT E. POU, M.D., NORMAN SHARPE, M.D., WILLIAM SHARPE, M.D.

Gynecology: Daniel R. Ayres, M.D., Henry K. W. Kellogg, M.D., Augustine W. Roff, M.D., Walter M. Silleck, M.D.

Opthalmology: Ralph Barver, M.D., Daniel W. Frye, M.D., Louis Greenberg, M.D., Ellwood Harlow, M.D.

Laryngology: A. S. Blumgarten, M.D., Benjamin Freudenfall, M.D., Daniel S. Hardenberg, M.D., Roy S. Hinsdale, M.D., E. Willis Kobler, M.D., Charles Osgood, M.D., Edward L. Pratt, M.D., David A. Singer, M.D., C. D. Van Wagenen, M.D.

Dermatology and Syphilology: John Aldrich, M.D., William Blancard, M.D., Charles J. Harbeck, M.D., E. C. Jagle, M.D., James M. Kent, M.D., William B. Long, M.D., John Remer, M.D., Isidore Rosen, M.D., Charles T. Sharpe, M.D., E. J. Snyder, M.D., F. Steinke, M.D., C. T. Stevens, M.D.

Diseases of Children: Ernest E. Cleaves, M.D., Morris Friedson, M.D., Lesser B. Groeschel, M.D., Gustave R. Manning, M.D., Isidore Miller, M.D., H. R. Mixsell, M.D., George A. Schnepel, M.D.

Genito-Urinary Diseases: B. H. Belcher, M.D., James A. Cowan, M.D., S. W. Fowler, M.D., Walter S. Graham, M.D., Bernard Kohn, M.D.

Applied Therapeutics: Phineas H. Adams, M.D., H. A. Bancel, M.D., Solomon Beck, M.D., Paul Bartholow, M.D., Herman C. Fuhrman, M.D., Berton Lattin, M.D., Solomon Levine, M.D., Harry Lowens, M.D.

Otology: I. H. Alexander, M.D., Edward L. Warren, M.D.

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Teachers College Junior Officers

Professors: Julius August Bewer, Ph.D., *Biblical Literature;* Charles E. A. Winslow, M.D., *Hygiene.*

Associates in Education: Thomas H. Powers Sailer, Ph.D., *Religious Education;* Warren H. Wilson, Ph.D., D.D., *Rural Education.*

Instructors: Louise S. Atkinson, B.S., *Kindergarten Education;* Matthew Gruenberg Bach, A.M., *German;* Emma R. Baker, *Household Arts;* Lydia Ray Balderston, B.S., *Household Arts;* Laura Irene Baldt, B.S., *Household Arts;* Anna Woods Ballard, A.M., *French;* Anna Barrows, *Household Arts;* Mary Porter Beegle, B.S., *Physical Education;* Ethelwyn C. Bradish, *Fine Arts;* Grace Lillian Brown, *Kindergarten Education;* Grace Hitchings Buckner, B.S., *Fine Arts;* Joseph H. Constantine, *Industrial Arts;* Elizabeth Christine Cook, Ph.D., *English;* George J. Cox, *Fine Arts;* Ella Phillips Crandall, *Household Arts;* Lillian Curtis Drew, *Physical Education;* Elsa Frame, *Household Arts;* Charlotte A. Francis, A.M., *Chemistry;* Lucile Grace French, *Household Arts;* J. Montgomery Gambrill, A.M., *History;* Charlotte Gano Garrison, B.S., *Kindergarten;* Fred Foreman Good,

A.M., *Physical Science;* ROBERT PAUL GRAY, *Household Arts;* LILLIAN M. B. GUNN, *Household Arts;* EMMA H. GUNTHER, B.S., *Household Arts;* GEORGE T. HOLM, *Physical Training;* I. L. KANDEL, Ph.D., *History of Education;* CLARA BARBARA KIRCHWEY, *Geography;* HELEN LATHAM, *Music;* MARY G. MCCORMICK, A.M., *Household Arts;* ELLEN BEERS MCGOWAN, B.S., *Household Arts;* MATILDA J. MCKEOWN, B.S., *Household Arts;* MELINDA I. MANCHESTER, B.S., *Steward and Instructor in Household Arts;* MAUD MARCH, *Physical Education;* CHARLES J. MARTIN, *Fine Arts;* ANNIE E. MOORE, B.S., *Elementary and Kindergarten Education;* FRANK C. PANUSKA, *Industrial Arts;* LINETTE A. PARKER, B.S., *Nursing and Health;* SARA LYMAN PATRICK, B.S., *Industrial Arts Education;* MARY HENLEY PEACOCK, Ph.B., *Household Arts;* MARY REESOR,[1] A.M., *Physical Education;* EMILY C. SEAMAN, Ph.D., *Physiological Chemistry;* JANET ROWLAND SEIBERT, A.M., *Physical Education;* BERTHA E. SHAPLEIGH, *Household Arts;* RUTH PENFIELD SILL, *Household Arts;* MEREDITH SMITH, *Kindergarten Education;* LYDIA SOUTHARD, A.B., *Household Arts;* WILHELMINA SPOHR, B.S., *Household Arts;* CAROLINE E. STACKPOLE, A.M., *Biology;* ISABEL MAITLAND STEWART, A.M., *Nursing and Health;* ANNE HERVEY STRONG, A.B., *Nursing and Health;* LOUISE CHRISTINE SUTHERLAND, B.S., *Kindergarten Education;* LAVINIA TALLMAN, A.M., *Religious Education;* SALLIE B. TANNAHILL, *Fine Arts;* EDWARD THATCHER, *Industrial Arts;* ANNE CECELIA THORNTON,[1] *Physical Education;* EVELYN SMITH TOBEY, B.S., *Household Arts;* SADIE B. VANDERBILT, B.S., *Household Arts;* JOHN JAY WALSH, *Industrial Arts;* MAY JOSEPHINE WIETHAN, *Music;* RUTH WILMOT, *Household Arts;* MARGARET MAUD ZERBE, *Music.*

Lecturers: EVA ALLEN ALBERTI, *Physical Education;* LOUIS EDWARD BISCH, Ph.D., *Educational Psychology;* THOMAS HENRY BRIGGS, Ph.D., *Secondary Education;* S. JOSEPHINE BAKER, M.D., *Nursing and Health;* WILLIAM EDWIN BRECKENRIDGE, A.M., *Mathematics;* CALVIN B. CADY, *Music;* GRACE MARIE DASCHBACH, *Music;* GEORGE E. JOHNSON, A.B., *Physical Education;* JOSEPHINE HEMENWAY KENYON, A.M., M.D., *Nursing and Health;* CARL KLEINSCHMIDT, *Fine Arts;* WILLIAM JACOB KRAFT, *Music;* CLARA D. NOYES, *Nursing and Health;* TEUNIS J. VAN DER BENT, *Household Arts.*

Foreign Correspondents: DR. FRANZ SKABERNÉ, Vienna, Austria; A. E. TWENTYMAN, London, England; PROFESSOR GOETZE, Berlin-Dahlem, Germany; J. CLARK, Glasgow, Scotland.

Assistants: MARIAN KYLE ADAMS, *Physical Education;* ANNE D. BLITZ, A.M., *Household Arts;* ANNIE BISSELL BRYANT, *Household Arts;* AGNES BURKE, B.S., *Kindergarten Education;* GERTRUDE KLINE COLBY, *Physical Education;* HELEN C. COOMBS, *Physiological Chemistry;* GENEVIEVE LENORE COY, B.S., *Educational Psychology;* ISABEL S. COOPER, B.S., *Physical Education;* MARY WROE CURTIS, *Household Arts;* HELEN E. DILLER, A.M., *English;* HERBERT E. EASTLACK, A.B., *Chemistry;* GERTRUDE GATES

[1] Absent on leave, 1914–15.

A.B., *Chemistry;* Alice Hawksley, B.S., *Physical Education;* Hattie Louise Heft, A.M., *Biological Chemistry;* Jessica M. Hill, A.M., *English;* Stanislaus Le Roy, B. é L., *French;* Jessie Katherine Macdonald, *Music;* Elizabeth Mann, B.S., *Household Arts;* Mary Maude Patrick, B.S., *Elementary Education;* Mary Elizabeth Pillsbury, B.S., *Household Arts;* Helene M. Pope, *Household Arts;* Katherine A. Pritchett, B.S., *Chemistry;* Susie E. Purvis, B.S., *English;* Ethel Robinson, *Kindergarten Education;* Millicent Sears, *Household Arts;* Emilia F. Sinopoli, B.S., *Latin;* Charles D. Snow, B.S., *Chemistry;* Bessie Scott White, *Household Arts;* Clagett Wilson, *Household Arts;* Emma A. Winslow, *Household Arts;* Andrew T. Wylie, A.M., *English;* Bernardine Meyer Yunck, *Physical Education.*

Lecturers in Special Classes: James Chittick, *Textiles;* Haven Emerson, A.M., M.D., *Nursing and Health;* Reginald Norman Joliffe, *Music;* Vojtech Preissig, *Fine Arts;* Theodor Quasebart, *Textiles;* Ada J. Smith, *Household Arts;* Edgar S. Stowell, *Music;* John William Sutcliffe, *Textiles;* Lillian D. Wald, LL.D., *Nursing and Health;* Clarence Hudson White, *Fine Arts.*

Teachers College Schools

Samuel Train Dutton,[1] LL.D., *Superintendent of Teachers College Schools;* Virgil Prettyman, Pd.D., *Principal of High School for Boys;* Henry Carr Pearson, A.B., *Principal of Elementary School and of High School for Girls;* Charlotte Gano Garrison, B.S., *Principal of Kindergarten;* Marion Root Pratt, *Secretary;* Amy Logan, B.S., *Assistant to Principal of Elementary School;* Constance Fabiola Burr, *Secretary of High School for Girls;* Helen Crissey, *Secretary of Elementary School;* Lillian Randall, *Librarian of High School for Boys;* Helen Moss, *Librarian of Horace Mann School;* Anna A. Jones, *Secretary of High School for Boys.*

Virgil Prettyman, Pd.D., *Principal of High School for Boys;* Henry Carr Pearson, A.B., *Principal of High School for Girls;* Charles McCoy Baker, *Head of Department of Classics;* Joseph Clifton Brown, *Head of Department of Mathematics;* Harry Wheeler Martin, *Head of Department of History;* Wilhelm Helmuth Gohdes, *Head of Department of Modern Languages;* Roland Hugh Williams, *Head of Department of Science;* Kate Stuart Anthony, *Domestic Art;* Georgia Farrand Bacon, *History and English;* Frederick Haig Bair, *English;* Helen Bartlett Baker, *English;* Belle Boas, *Fine Arts;* Martin Bruce Bogarte, *Mathematics;* Elizabeth Briggs, *History;* Frank Elbert Brooks, *French;* Marie Karcher Brooks, *French;* Abbott Low Combes, *Industrial Arts;* Laura Bishop Crandon, *German;* Evan John David, *English;* Lucia Williams Dement, *Fine Arts;* John Bates Eyster, *German;*

[1] Absent on leave, 1914–15.

CHARLES D. GEROW, *History;* MARY BROWNSON GILLMORE, *History;* GEORGE THOMAS HOLM, *Swimming;* CAROLINE WOODBRIDGE HOTCHKISS, *English;* P. JOSEPH KERSEY, *Physical Education;* CLARA BARBARA KIRCHWEY, *Science;* WILLIAM JACOB KRAFT, *Music;* LILLIE MARIA LAWRENCE, *Latin;* ALTON IRVING LOCKHART, *Chemistry and Physics;* FORREST SUMNER LUNT, *English;* EMMA LENORE MACALARNEY,[1] *English;* CHARLES J. MARTIN, *Fine Arts;* HARRY WHEELER MARTIN, *History;* JOHN HARRISON MINNICK, *Mathematics;* BERTHA MÜLLER, *French;* WILLIAM JOHN NAGLE, *Latin;* JOHN DUELE NEITZ, *Special Tutor;* HELEN OGDEN, *Physical Training;* RUTH PETERS, *Fine Arts;* NINA FRANCIS RAYNOR, *Latin;* MARIE LOUISE ROBERT, *French;* JAMES VINTON SHANNON, *Mathematics;* LELAND JOHNSON STACY, *Chemistry and Physics;* GEORGE FRANCIS STRATTON, *Mathematics;* FLORENCE STUART, *Physical Training;* JOHN THOMAS VAN SANT, *Mathematics;* RUTH WATSON, *Domestic Science;* FLORENCE LOUISE WEEKS, *Mathematics;* ELIZABETH MARIAN WHEELOCK, *English;* GRAY HUNTINGFORD WYMAN, *Latin.*

Elementary School

HENRY CARR PEARSON, A.B., *Principal;* CLARA MABEL WHEELER, *First Grade;* FLORENCE MABEL MCVEY, *First Grade;* IRENE M. STEELE, *First Grade;* EVELYN BATCHELDER, *Second Grade;* MILDRED IONE BATCHELDER, *Second Grade;* ALICE ELIZABETH PHELPS, *Open Air Class, Second and Third Grades;* MYRTLE GARRISON, *Third Grade;* MARY A. OLIVER, *Open Air Class, Fourth Grade;* THEO. R. STONE, *Third Grade;* PAULINE P. FOX, *Third and Fourth Grades;* IDA ELIZABETH ROBBINS, *Fourth Grade;* FLORENCE MARSHALL PERKINS, *Fourth Grade;* MARGARET GERTRUDE CONDRY, *Fifth Grade;* MAUD VIVIAN KEYES, *Fifth Grade;* RUTH BATCHELDER, *Fifth Grade;* SIEGFRIED MAIA UPTON, *Fifth Grade;* MARY FREDERIKA KIRCHWEY, *Sixth Grade;* MARY GERTRUDE PEABODY, *Sixth Grade;* ROXANA ALER STEELE, *Sixth Grade;* LUCY HESS WEISER, *Industrial Arts;* LUCIA WILLIAMS DEMENT, *Fine Arts;* RUTH PETERS, *Fine Arts;* HELEN LATHAM, *Music;* MARY PERLE ANDERSON, *Nature Study;* HELEN F. WEBB JONES, *Physical Education;* HELEN OGDEN, *Physical Education;* ETHEL FAIR, *Grammar Assistant;* ALICE E. ROWE, *General Substitute;* LEILA MAY COBB, *Primary Assistant;* FRANCES HELEN CLARK, *Open Air Assistant;* ETHEL MARIA ROBINSON, *Kindergarten;* AGNES BURKE, *Kindergarten;* MEREDITH SMITH, *Kindergarten;* LOUISE S. ATKINSON, *Kindergarten.*

ERNEST HORN, Ph.D., *Principal;* LAURA VALENTINE, *Librarian and Social Worker;* MABEL VAN DEVENTER, *Assistant;* LOUISE CHRISTINE SUTHERLAND, *Kindergarten;* BERTHA SCHWABLE, *Kindergarten;* BERTHA M. BENTLEY, *First Grade;* HELEN STRONG, *Second Grade;* LAURA A. GILMORE, *Third Grade;* MABEL NEAL, *Fourth Grade;* MAUD KEATOR, *Fifth Grade;* BLANCHE EDNA CAMPBELL, *Sixth Grade;* ELMORE C. WALTHER, *Seventh Grade;* FREDERIC WOELLNER, *Eighth Grade;* INA L. BEYER, *Assistant, Intermediate Grades;* BERTHA RECTOR, *Assistant, First, Second,*

[1] Absent on leave.

Third Grades; GERTRUDE K. COLBY, *Physical Education;* HELEN LATHAM, *Music;* ETHELWYN C. BRADISH, *Fine Arts;* CORA MARGUERITE WINCHELL, *Food and Sanitation;* WILHELMINA SPOHR, *Textiles and Clothing.*

Summer Session of 1914

BESSIE E. AMERMAN, A.B., *Nursing and Health;* E. C. ARMSTRONG, Ph.D., *Romance Languages;* CARRIE ASHCROFT, *Physical Education;* WALTER SCOTT ATHEARN, A.B., *Religion;* JULIA HILL ATWELL, B.S., *Fine Arts;* LEONARD P. AYRES, Ph.D., *Vocational Guidance;* ALICE P. BARROWS, *Vocational Guidance;* FRANCIS B. BARTON, Ph.D., *Romance Languages;* SAMUEL ELIOT BASSETT, Ph.D., *Classical Philology;* DON C. BLISS, A.M., *Secondary Education;* THOMAS H. BRIGGS, Ph.D., *Secondary Education;* BURDETTE R. BUCKINGHAM, Ph.D., *Elementary Education;* CHARLES K. BURDICK, LL.B., *Law;* MILTON ALEXANDER BUCHANAN, *Romance Languages;* ALBERT M. COHN-MCMASTER, A.M., *Romance Languages;* ROSSETTER G. COLE, A.M., *Music;* LOUIS CONS, A.M., *Romance Languages;* LEONIDAS WAKEFIELD CRAWFORD, JR., A.M., *Excursions;* ELLWOOD PATTERSON CUBBERLEY, Ph.D., *Educational Administration;* GEORGE O. CURME, A.M., *German;* ELIZABETH E. CUSHING, *Household Arts;* MICHAEL F. DEE, LL.B., *Law;* HENRIETTA RODMAN DE FREMERY, *Vocational Guidance;* GEORGE CLARK, *Law;* LIDA B. EARHART, Ph.D., *Elementary Education;* ANDREW WHEATLEY EDSON, A.M., *Educational Administration;* FRANKLIN CHARLES FETTE, A.M., *Physical Education;* LEONA H. FETTE, A.B., *Physical Education;* GEORGE IRVING FINLAY, Ph.D., *Geology;* W. L. FLEMING, Ph.D., *History;* JAMES EVERETT FRAME, A.M., *New Testament Literature;* D. KENNEDY FRASER, A.M., *Chemistry;* MARTHA H. FRENCH, *Household Arts;* JOSEPH FLOYD FULLER, *Industrial Arts;* RALPH W. GIFFORD, LL.B., *Law;* GARRARD GLENN, LL.B., *Law;* ALICE CYNTHIA KING HALL, A.M., *Elementary Education;* JOHN WILLIAM HALL, A.M., *Elementary Education;* GEORGE L. HAMILTON, Ph.D., *Romance Languages;* ALICE HAWKSLEY, A.B., *Physical Education;* CHARLES LOUIS HELMLINGÈ, Ph.B., *French;* ERNEST NORTON HENDERSON, Ph.D., *Philosophy of Education;* MARY D. HILL, *Kindergarten Education;* GORDON FERRIE HULL, Ph.D., *Physics;* OTTO VICTOR HUMANN, *Fine Arts;* ISAAC HUSIK, Ph.D., *Philosophy;* ONO MARY IMHOFF, A.B., *Library Economy;* ALVIN S. JOHNSON, Ph.D., *Economics;* TRUMAN L. KELLY, A.M., *Educational Psychology;* ANDREW KEOGH, A.M., *Library Economy;* EDNA M. KLAER, *Household Arts;* HARRY L. KOOPMAN, A.M., LITT.D., *Library Economy;* EDWARD BENJAMIN KREHBIEL, Ph.D., *History;* ALFRED LOUIS KROEBER, Ph.D., *Anthropology;* GORDON JENNINGS LAING, Ph.D., *Classical Philology;* AGNES ELIZABETH MCCARTHY, *Household Arts;* KENNETH MCKENZIE, Ph.D., *Romance Languages;* JAMES PATTERSON MCBAINE, LL.B., *Law;* STEPHEN A. MCINTIRE, *Law;* GRACE HARRIET MACURDY, Ph.D., *Classical Philology;* APPLETON A. MASON, *Physical Education;* JEANNE MARIE MATTOON, *Music;* JOHN M. MECKLIN, Ph.D., *Religion;* ROBERT A. MIL-

LIKAN, Ph.D., *Physics;* ALBERT A. MORRISON, *Household Arts;* MARJORIE O'CONNELL, A.M., *Geology;* ALBERT TEN EYCK OLMSTEAD, Ph.D., *History;* LEWIS BAYLES PATON, Ph.D., D.D., *Religion;* SAMUEL W. PATTERSON, Ph.D., *English;* RAPLH BARTON PERRY, Ph.D., *Philosophy;* MAURICE H. ROBINSON, Ph.D., *Economics;* ROBERT L. SANDERSON, A.M., *Romance Languages;* J. SALWYN SCHAPIRO, Ph.D., *History;* FREDERICK WILLIAM SCHOLZ, A.M., *German;* WALTER DILL SCOTT, Ph.D., *Educational Psychology;* ELIZABETH SHEPPARD, *Biology;* DELOSS SMITH, *Music;* STEVENSON SMITH, Ph.D., *Educational Psychology;* HARRY EATON STEWART, M.D., *Physical Education;* FLETCHER HARPER SWIFT, Ph.D., *History of Education;* ALFRED H. UPHAM, Ph.D., *English;* GEORGE H. VAN TUYL, *Commercial Arithmetic;* CAMILLO VON KLENZE, Ph.D., *German;* CHARLES DIGBY WARDLAW, A.B., *Physical Education;* IRENE WARREN, Ph.B., *Library Economy;* MARGARET FLOY WASHBURN, Ph.D., *Psychology;* DWIGHT EVERETT WATKINS, A.M., *Public Speaking;* GEORGE F. WHICHER, A.M., *English;* GUY MONTROSE WHIPPLE, Ph.D., *Educational Psychology;* WARREN H. WILSON, Ph.D., *Rural Sociology;* BERT EDWARD YOUNG, Ph.D., *Romance Languages;* MARION KYLE ADAMS, *Physical Education;* B. ADLER, *Physical Education;* THOMAS ALEXANDER, *Philosophy of Education;* GERTRUDE E. BACON, *Elementary Education;* MARGARET BECKER, *Household Arts;* FRITZ BERCKHEMER, *Geology;* ANNE D. BLITZ, *Household Arts;* MILDRED BOOTH, *Household Arts;* CORRINE BEATRICE BARY, B.S., *Household Arts;* THOMAS J. BREITWIESER, A.M., *Educational Psychology;* DOROTHY BREWSTER, *English;* RITA C. COHEN, *Educational Administration;* B. F. COOLEY, *Stenography;* W. L. COOP, *Physical Education;* CHARLES G. COSTER, *Law;* HELEN CRISSEY, *Demonstration School;* H. MARY CUSHMAN, *History of Education;* C. E. DAVIS, *Chemistry;* FLORENCE H. DAVIS, *Library Economy;* F. L. DEBEUKELAER, *Chemistry;* HELEN E. DILLER, *English;* DOROTHY W. DONNAN, *Textiles and Clothing;* HERBERT E. EASTLAKE, *Chemistry;* GUSTAV EGLOFF, *Chemistry;* WILLIAM D. HARTSHORNE, JR., *Physical Education;* GENEVIEVE D. HOWELL, *Chemistry;* MAUD KEATOR, *Demonstration School;* D. B. KEYES, *Chemistry;* ELIZABETH KURTZ, *Geology;* ERNEST LITTLE, *Chemistry;* JESSIE L. LOWSON, *History of Education;* EMANUEL LYONS, *Drawing and Design;* LILLIAN G. MCCLELLAND, *Biology;* J. MERRITT MCGEE, *Chemistry;* BLANCHE MARCH, *Physical Education;* WINIFRED L. MAYHALL, *Physical Education;* MARION MINER, *Household Arts;* KENNETH P. MONROE, *Chemistry;* LOUISE B. MOSS, *Chemistry;* CHARLOTTE B. NORTON, A.B., *Library Economy;* H. L. OLIN, *Chemistry;* W. W. PIERSON, *History;* CARRIE C. RICHARDSON, *Grammar Assistant;* MARGARET ROYS, *Library Economy;* WORTLEY F. RUDD, *Chemistry;* EDITH RUEBSAM, *Kindergarten Education;* E. SALWEN, *Swimming;* MARGARET SINCLAIR, *Demonstration School;* P. W. SLOSSON, *History;* MARTIN W. SMITH, *History;* PHOEBE H. THAYER, *Elementary Education;* IRENE M. STEELE, *Primary Assistant;* IDA M. VAN DOREN, *English;* FLORENCE L. WEEKS, *Mathematics;* DAVID E. WEGLEIN, *Edu-*

cational Administration; JASSAMINE C. WILLIAMS, *Nutrition;* GEORGE F. WILLIAMSON, *Psychology;* FLORENCE E. WINCHELL, *Household Arts Education.*

Extension Teaching

Officers of Instruction holding appointments only in Extension Teaching

Instructors: G. M. ALLEN, *Architecture;* E. R. ALTENBERG, *Botany;* E. H. BABCOCK, *French;* P. DE BACOURT, *French;* F. P. BALTZ, *Bookkeeping;* D. R. BELCHER, *Mathematics;* F. R. BEYGRAU, *Stenography;* L. E. BISCH, *Psychology;* A. C. BLANCHARD, *Highway Engineering;* O. C. BOWES, *Agriculture;* D. E. BOYCE, *Accounting;* F. J. BURGDORFF, *Agriculture;* E. W. BURRILL, *English;* T. W. BYRNES, *Accounting;* R. P. CALVERT, *Chemistry;* D. L. CLARK, *English;* R. F. CLARK, *Structural Mechanics;* E. J. CLEVELAND, *Secretarial Correspondence;* O. S. COAD, *English;* H. L. COHEN, *English;* A. J. CROSS, *Practical Optics;* R. D. CURRIER, *Law;* W. E. CURT, *Mathematics;* M. J. DAVIES, *Assistant to the Director, in charge of the Institute of Arts and Sciences;* M. M. DONDO, *French;* D. B. DUNCAN, *English;* D. H. FANSLER, *English;* A. E. FLANAGAN, *Architecture;* J. M. GAMBRILL, *History;* C. R. GASTON, *English;* L. R. GIBBS, *Library Training;* J. M. GRAY, *German;* P. C. HAESELER, *Chemistry;* H. M. HALL, *English;* E. M. HALLIDAY, *English;* C. HAMILTON, *English;* W. E. HARNED, *Stenography;* P. M. HAYDEN, *Spanish;* H. G. HEALEY, *Stenography;* R. H. HODGE, *Biblical Literature;* G. R. HUBBART, *Advertising and Salesmanship;* G. G. HUEBNER, *Transportation;* C. C. HUGHES, *Bookkeeping;* H. H. HUGHES, *English;* A. HUNTER, *Insurance;* S. B. KOOPMAN, *Accounting;* G. KRIEHN, *Fine Arts;* G. LAGUADIA, *French;* D. B. LAKE, *Agriculture;* D. H. LEAVENS, *Mathematics;* S. LEROY, *French;* E. H. LESLIE, *Chemistry;* L. LEVINE, *Sociology;* H. LOGAN, *Stenography;* F. LOWNHAUPT, *Investments;* H. E. MANTZ, *French;* E. MARGOLIS, *Semitic Languages;* C. E. MATHER, *Accounting;* T. C. MITCHILL, *English;* H. F. MONROE, *International Law;* R. H. MONTGOMERY, *Accounting;* S. MONTGOMERY, *Educational Psychology;* J. L. NICHOLSON, *Accounting;* F. S. NOWLAN, *Mathematics;* S. W. PATTERSON, *English;* C. C. PEARCE, *English;* D. C. POND, *Architecture;* W. W. PIERSON, *History;* S. PURVIS, *Education;* C. A. REEDS, *Geology;* G. A. REICHLING, *German;* K. REILEY, *Greek;* J. L. RUSSO, *French and Italian,* P. SCHULZ, *Architecture;* R. E. SHERLOCK, *Architecture;* J. P. C. SOUTHALL, *Practical Optics;* W. H. S. STEVENS, *Commerce and Finance;* A. P. TANBERG, *Chemistry;* R. TAYLOR, *English;* S. M. TUCKER, *English;* J. A. VOETH, *French;* S. E. WALLACE, *Library Training;* N. D. WAFFLE, *Agriculture;* J. F. WALKER, *Agriculture;* H. V. WALSH, *Architecture;* M. F. WEINRICH, *Physics;* L. R. WELZMILLER, *Practical Optics;* O. H. WERNER, *German;* B. C. WILLIAMS, *Short Story;* M. F. WILSON, *Library Training;* S. L. WOLFF, *English;* F. A. WOLL, *Practical Optics;* I. M. WORMSER, *Law;* T. E. WYE, *Latin.*

Columbia University in the City of New York

GENERAL STATEMENT

Historical

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA and providing for the establishment of a College to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the Learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently; And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines, and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness, both here and hereafter." The educational work of the College was at once begun under the presidency of Dr. Samuel Johnson with a class of eight students and the first Commencement was held on June 21, 1758. The first college building, erected on a portion of the "King's Farm," at what is now the corner of Park Place and Church Street was completed in 1760. The Revolutionary War, during which this building was taken for military purposes, compelled a suspension of activities. King's College numbers among its students and graduates Alexander Hamilton, John Jay, Robert R. Livingston, Gouveneur Morris and John Stevens.

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of King's College in the Regents, and changing the name of the College to Columbia College. In 1787, this act was repealed, and an act was passed confirming the Royal Charter of 1754

and vesting the property and franchises of King's College in "The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained the same until 1912 when by order of the Supreme Court of the State of New York it was changed to "The Trustees of Columbia University in the City of New York." In 1897 the University removed from 49th Street and Madison Avenue, where it had been situated since 1857, to its present location on Morningside Heights.[1]

Buildings and Grounds

The general plan of the buildings of the Corporation on Morningside Heights comprises two groups, one of which occupies the site on the northerly side of 116th Street, extending to 120th Street, and the other, the site on the southerly side of 116th Street, extending to 114th Street, bounded on the east by Amsterdam Avenue and on the west by Broadway.[2]

The UNIVERSITY LIBRARY, erected 1895–97, the gift of Seth Low, LL.D., of the Class of 1870 and President of the University from 1889 to 1901, is the central feature of the buildings comprising the northerly group which together form a large quadrangle. This group includes on the east: EAST HALL, which contains a number of the administrative offices of the University; KENT HALL (205 ft. x 53 ft.) erected in 1910 from funds largely provided by Charles Bathgate Beck of the Class of 1877, College, and 1879, Law, occupied by the School of Law and the Faculty of Political Science; PHILOSOPHY HALL (145 ft. x 57 ft.) erected in 1910, the gift of an anonymous donor, occupied by the Faculty of Philosophy; ST. PAUL'S CHAPEL (140 ft. x 32 ft. x 112 ft., with 1050 sittings), erected 1904, the gift of Olivia E. P. Stokes and Caroline Phelps Stokes as a memorial to their parents; AVERY LIBRARY (150 ft. x 50 ft.), erected 1911, the gift of Samuel P. Avery, containing the Avery Architectural Library and the School of Architecture; and FAYERWEATHER HALL (150 ft. x 57 ft.), erected in 1896 from the bequest of Daniel B. Fayerweather, occupied by the departments of physics and astronomy. On the north, the group further includes: SCHERMERHORN HALL (205 ft. x 80 ft.), erected 1896, the gift of William C. Schermerhorn of the Class of 1840, occupied by the departments of geology, mineralogy, botany and zoölogy; the unfinished UNIVERSITY HALL, occupying the central position on the northern boundary of the campus, and, next to the LIBRARY, the largest of the University buildings, containing the Gymnasium, the power plant, which provides light, heat and power to all of the buildings, and the University Commons; and HAVEMEYER HALL (205 ft. x 80 ft.), erected 1896, the gift of the family of Frederick Christian Havemeyer, occupied by the School of Chemistry.

[1] The attention of those interested in the historical development of the University is called to *The History of Columbia University*, 1754–1904 (pp. xiii + 493). $1.50. Columbia University Press, Lemcke and Buechner, New York, agents.

[2] For detailed descriptions of the buildings and grounds of the University see *An Official Guide to Columbia University*, (pp. lx + 130). $.25. Columbia University Press, Lemcke and Buechner, New York, agents.

On the west, the northerly group includes: the SCHOOL OF ENGINEERING building (150 ft. x 57 ft.), erected 1896, occupied by the departments of civil, electrical, mechanical and highway engineering; EARL HALL (99½ ft. x 58 ft.), erected 1900, the gift of William Earl Dodge, the home of the religious, philanthropic and social interests of the students; the SCHOOL OF MINES building (145 ft. x 57 ft.), erected 1904, the gift of Adolph Lewisohn, used for mining and metallurgy; and the FACULTY CLUB, a building like EAST HALL acquired by the University at the purchase of the site.

The southerly group of buildings, occupying the ground lying immediately in front of the LIBRARY popularly known as South Field, includes, on the east: HAMILTON HALL (208 ft. x 55 ft.), erected 1906, the gift of John Stewart Kennedy, the home of Columbia College; and the two residence halls, HARTLEY HALL and LIVINGSTON HALL, both erected 1904. On the west, the group includes: the SCHOOL OF JOURNALISM (208 ft. x 55 ft.), erected 1912, provided by the gift and bequest of Joseph Pulitzer; and a third residence hall, FURNALD HALL, erected 1913.

The University Library is of Indiana limestone. The other buildings, in conformity to the general design, are constructed of overburned brick and limestone, set, as is also the Library, upon a base of granite. A model of all the University buildings (20 ft. x 35 ft.), now existing and as projected and showing the buildings in detail and in their relation to each other, is on view in the basement of Kent Hall.

Barnard College is situated on Broadway, immediately west of the University site, and occupies the land extending from 116th to 120th Street. The buildings comprise MILBANK HALL (119 ft. x 65 ft.), and BRINCKERHOFF HALL (166 ft. x 55½ ft.), both erected 1896, the gifts, respectively, of Mrs. A. A. Anderson and Mrs. Van Wyck Brinckerhoff, and BROOKS HALL (122 ft. x 43 ft.), erected 1907, the Barnard College hall of residence.

The buildings of Teachers College are on the North side of 116th Street, directly opposite the University site. They consist of the MAIN BUILDING (169 ft. x 132 ft.), erected 1894; the adjoining MILBANK BUILDING (146 ft. x 52 ft.), erected 1897; the MACY MANUAL ARTS BUILDING (146 ft. x 74 ft.), erected 1896; the HOUSEHOLD ARTS BUILDING (153 ft. x 57 ft.), erected 1909; and the THOMPSON BUILDING (110 ft. x 84 ft.), erected 1904. The HORACE MANN SCHOOL (202 ft. x 100 ft.), erected 1901, the school of observation of Teachers College, forms a constituent part of the group on the Broadway side. WHITTIER HALL (202 ft. x 100 ft.), erected 1901, adjoining Teachers College on the east, is the residence hall for women students and officers.

The Medical School of the University, the College of Physicians and Surgeons, is on Fifty-ninth Street, between Ninth and Tenth Avenues. The group of buildings comprises the SOUTH BUILDING (141 ft. x 43½ ft.), erected 1886, the MIDDLE BUILDING (56 ft. x 54½ ft.), erected 1886,

both the gift of William H. Vanderbilt; the NORTH BUILDING (94 ft. x 43½ ft.), erected 1886; the INSTITUTE OF ANATOMY (88½ ft. x 45 ft.), the VANDERBILT CLINIC (99½ ft. x 60 ft.), both erected 1896 with funds provided by the gift of Cornelius, William K., Frederick W., and George W. Vanderbilt; and the SLOANE HOSPITAL FOR WOMEN (145 ft. x 98 ft.), usually called the Sloane Maternity Hospital, erected 1886–1911, the gift of Mr. and Mrs. William D. Sloane.

To the east of the northerly group of buildings, in the block bounded by Amsterdam Avenue, Morningside Drive, 116th and 117th Streets, the property of the University, are the CROCKER RESEARCH LABORATORY, the greenhouse belonging to the department of botany, and the RESIDENCE OF THE PRESIDENT OF THE UNIVERSITY; and on the north side of 117th Street the DEUTSCHES HAUS, the gift of Edward D. Adams, and the MAISON FRANÇAISE, the gift of A. Barton Hepburn, centers respectively of German and French interests in the University.

The COLLEGE OF PHARMACY (75 ft. x 100 ft.), erected in 1894, is in West Sixty-eighth Street, between Broadway and Columbus Avenue.

The entire University occupies 36.62 acres of ground in New York City, and has, in addition, a Summer Camp of Surveying and Geodesy, covering 585 acres, in Morris, Conn.

Organization

The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University. In 1909 provision was made for the nomination by the Alumni of six of the twenty-four Trustees.

THE PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The Treasurer of the corporation elected by the Trustees has charge of the financial administration of the University. The other principal administrative officers are the Deans of the several faculties and the Directors of the Summer Session and Extension Teaching, and of the Schools of Architecture and of Journalism, who under the general supervision of the President have immediate charge of the educational work of the University, the Provost of the University, the Librarian, the Chaplain, the Consulting Engineer, the Secretary of the University, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

THE UNIVERSITY COUNCIL is a representative body consisting of the President, the Deans, certain other administrative officers, and two members elected from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (*a*) to control the award of the higher degrees, to secure the correlation of courses with a view to increase the efficiency and to enlarge the range

of University work, to encourage original research, and to adjust all questions involving more than one faculty; (*b*) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and to advise the President upon such matters as he may bring before it; (*c*) to appoint all Fellows and University Scholars and, within the limits of the Statutes, to make rules for their government.

THE FACULTIES of the University are composed of the members of the corps of instruction of professorial rank. It is the function of the Faculties (*a*) to fix the requirements of admission, the program of studies, and the conditions of graduation; (*b*) to establish rules for ascertaining the proficiency of students, and for the assignment of honors; and (*c*) to fix the times of examinations. The Faculties, in their turn, are made up of the various Departments of Instruction, which in the case of larger Departments have an organization of their own under an administrative head. For purposes of administration the Departments are further grouped together in a number of Divisions.

Schools and Colleges

The Schools and Colleges composing the University are as follows:

COLUMBIA COLLEGE, the oldest part of the University and in a sense the mother of the rest, offers a program of Studies leading to the degrees of Bachelor of Arts and Bachelor of Science. Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session and Extension Teaching with that of the College makes it possible for a well-prepared candidate to complete the requirements for the bachelor's degree in three years. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any professional courses the University strongly recommends at least two years of collegiate work, and candidates for professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, mining, engineering, chemistry or architecture, in six years.

BARNARD COLLEGE, founded in 1889, is a separate corporation and has separate buildings. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates

by the University on the recommendation of the Faculty of Barnard College.

THE GRADUATE FACULTIES of the University, consisting of the co-ordinated non-professional faculties of Political Science, of Philosophy, and of Pure Science, offer advanced courses of study and investigation leading to appropriate degrees in law, medicine, philosophy, education, philology and letters, history, economics and social science, public law, mathematics and natural science, mines, engineering, chemistry, and pharmacy. Women students are admitted to all graduate courses except in law, medicine, mines, engineering, and chemistry. Advanced courses and opportunities for original research leading primarily to the degrees of Master of Arts and Doctor of Philosophy are offered by:

THE FACULTY OF POLITICAL SCIENCE, established in 1880, in history, political philosophy, economics, social science, public law and comparative jurisprudence. THE FACULTY OF PHILOSOPHY, established in 1890, in philosophy, education pyschology, anthropology, classical philology, English, comparative literature, the Germanic, the Romance, and the Oriental languages. THE FACULTY OF PURE SCIENCE, established in 1892, in mathematics, astronomy, physics (mathematical and experimental), chemistry, mineralogy, geology, zoölogy, botany, psychology, physiology, anatomy, bacteriology, embryology, biological chemistry, pathology, and engineering.

THE SCHOOL OF LAW, established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws.

THE COLLEGE OF PHYSICIANS AND SURGEONS, founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine.

THE SCHOOL OF MINES, founded in 1863, offers four-year courses of study in mining and metallurgical engineering, leading to the degrees of Engineer of Mines and Metallurgical Engineer.

THE SCHOOL OF ENGINEERING, set off from the School of Mines in 1896, offers four-year courses in civil engineering, sanitary engineering, electrical engineering, and mechanical engineering, leading to the degrees of Civil Engineer, Electrical Engineer, and Mechanical Engineer.

THE SCHOOL OF CHEMISTRY, also set off from the School of Mines in 1896, offers four-year courses, leading to the degrees of Chemist and Chemical Engineer.

Beginning with the academic year 1915–16, the Schools of Mines, Engineering and Chemistry will offer a three years' course of specialized professional study leading to the several technical degrees, based upon the admission requirement of the completion of a course of at least three years in an approved college or scientific school.

The School of Architecture, founded as a department in 1896 and as a separate School in 1914, offers courses of study leading to the degree of Bachelor of Architecture.

The School of Journalism, founded in 1912 through the gift of the late Joseph Pulitzer, offers a four-year course in letters, science, and practical journalism leading to the degree of Bachelor of Literature.

Teachers College, founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers through the Faculty of Education the following courses of study: (*a*) graduate courses leading to the doctor's or master's diploma; and simultaneously to the doctor's and master's degrees under the Faculty of Philosophy; (*b*) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in fine arts, household arts, industrial arts, music, nurses education and physical education, and to the degree of Bachelor of Science; and through the Faculty of Practical Arts a four years' program of study, based on a secondary school education, uniting liberal with technical training and leading also to the degree of Bachelor of Science.

The College of Pharmacy is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist, Bachelor of Science in Pharmacy, and Doctor of Pharmacy.

The University maintains a Summer Session, of six weeks duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and diplomas.

Through its system of Extension Teaching, the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to take courses, if they so desire, toward a diploma or an academic degree.

Departments and Divisions

The several departments of study maintained by the University, including the College of Physicians and Surgeons, Barnard College, Teachers College, the College of Pharmacy, grouped in Divisions, are as follows:

Ancient and Oriental Languages and Literatures: Classical Philology, Chinese, Indo-Iranian Languages, Semitic Languages.

Architecture.

Biology: Anatomy, Bacteriology, Botany, Physiology, Pathology, Biological Chemistry, Zoölogy.

Chemistry.

Education (Teachers College: Faculties of Education and Practical Arts).

ENGINEERING: Civil Engineering, Electrical Engineering, Highway Engineering, Mechanical Engineering, Engineering Drafting.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography, Mineralogy.

HISTORY, ECONOMICS. AND PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, Politics, Public Law and Comparative Jurisprudence.

JOURNALISM.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

METALLURGY AND MINING: Metallurgy, Mining.

MODERN LANGUAGES AND LITERATURES: English and Comparative Literature, Celtic, Germanic Languages, Romance Languages.

MUSIC.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, AND ANTHROPOLOGY: Anthropology, Philosophy, Psychology.

PHYSICAL EDUCATION.

PRIVATE LAW (FACULTY OF LAW).

Announcements The Announcements of each College or School, of the Summer Session, of Extension Teaching, and of the several Divisions, may be obtained without charge from the Secretary of the University.

Financial Statement

The income of the University, from which these expenses must be met comes from four main sources:

From real estate, which has been in the possession of the parent corporation for more than a century	$102,134.40
From 126 Trust Funds, created by gift or bequest	$167,651.97
From tuition fees, dormitory charges and other receipts from students	
From gifts for immediate needs	$446,463.43

SUMMARY OF FINANCIAL STATEMENTS, 1913–14

	Columbia University	Barnard College	Teachers College	Pharmacy
Tuition	903,317.53	131,656.47	482,472.32	59,919.15
Room rent	113,820.19		...	....
Interest on investments	1,138,174.60	69,025.51	79,860.41	560.63
Maturing investments	108,737.50	5,500.00	20,036.25	....
Gifts	1,264,190.02	123,875.28	196,797.50	500.00
Miscellaneous	3,158,629.99	44,497.53	83,150.50	450.00
Total	6,686,869.83	374,554.79	862,316.98	61,429.78

In recent years there has been an annual deficit of from $25,000.00 to $75,000.00. Additional gifts are needed not only to enable the University to enter new fields, but to carry on its present work satisfactorily, and in particular to increase academic salaries. The form of gifts or bequests to Columbia University is as follows:

To the Trustees of Columbia University in the City of New York I give and bequeath the sum of $———— to be used by said Trustees for the uses and purposes of said Corporation.

The present financial assets of the four corporations comprising Columbia University, including the assessed valuation upon the lands and buildings used for educational purposes, are in round figures as follows:

	Columbia University	Barnard College	Teachers College	Pharmacy
Property owned and used	$17,000,000	$3,000,000	$2,500,000	$350,000
Net investments	31,000,000	1,300,000	2,300,000	.....
Less debts	3,500,000	.....	600,000	70,000

Entire responsibility and authority for the expenditure of money rests with the trustees of the several corporations. They also take this responsibility in the approval of the annual budget.

The expense in 1913–14 may be summarized as follows:

	Columbia University	Barnard College	Teachers College	Pharmacy
Expenditures:				
General administrative expenses	$151,775.00	.....	.....	.....
Salaries and departmental expenses	1,355,088.00	139,930.60	509,087.50	34,440.76
Library	106,461.50	2,385.12	11,946.64	493.00
Care of buildings and grounds	321,538.00	54,930.90	86,955.18	2,403.70
Miscellaneous expenses	59,299.27	13,967.50	9,287.95	130.50
Business administration	50,200.00	4,353.45	15,035.73	190.37
Interest	115,945.00	2,716.97	.....	4,050.00
Reduction of debt	100,000.00	.....	.....	5,000.00
Total	$2,260,306.77	$218,284.54	$632,313.00	$46,708.33
Surplus or deficit	—$67,769.12	—$30,823.27	—$17,889.64	+$6,952.27

GENERAL REGULATIONS

Status of Students

A student may enter Columbia University as either:

1. A matriculated student accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree, certificate of proficiency, or diploma. A period of regular attendance upon all stated academic exercises[1] amounting to at least one academic year must be completed by each candidate; or

2. A non-matriculated student, permitted to attend such courses as he may be qualified to take but not regarded as a candidate for a degree, certificate of proficiency or diploma. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses.

In the announcement of each faculty will be found the conditions governing admissions to courses under that faculty.

Under the Statutes every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

REGISTRATION

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 57). The central office of the Registrar, 201 East Hall and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College, were open for registration on February 3 and 4, 1914, September 22 to September 28, 1914, and on February 7 and 8, 1915. New students may also register on the day following each of these periods. Those unable to complete their registration may file a provisional statement within the statutory period. Students registering late are charged an additional fee of $5 and are held accountable for absences thus incurred.

Students holding fellowships or scholarships are required to register

[1] Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

not later than the date specified in the University calendar; failure to do so may be considered as vacating the fellowship or scholarship.

The requirements for graduation may be completed at any time during the year, but diplomas are issued only at commencement and at the beginning of each half-year.

Withdrawal

An honorable discharge is granted to any adult student in good standing who may desire to withdraw from the University; a minor must submit the written assent of his parent or guardian. Students withdrawing from the University are required to notify the Registrar. No application for a return of fees can be considered unless written notice be given at the time of withdrawal. The Dean of any faculty may, for reasons of weight, grant a leave of absence to a student in good standing.

FEES

(Exclusive of Barnard College, Teachers College, and the College of Pharmacy.)

The regulations as to fees adopted by the Trustees of Columbia University in the City of New York are at present as follows: They are subject to change by them at their discretion. The President is under instructions to withdraw the privileges of students delinquent in payment after the second Wednesday of each half-year.

(*a*) *For Matriculation or Registration;* Required of all students before entrance, payable but once.....$ 5

For late Registration (see above)..... 5

For Change of Registration after the second Saturday (in the Schools of Political Science, Philosophy, and Pure Science after the fourth Saturday) of any half-year, for any course or courses added or dropped at any one time..... 1

(*b*) *For Tuition,* payable at the beginning of each half-year:

For Matriculated Students:

In the College, per point (see page 205)..... 5

To be paid for the total number of points[1] for which the student is permitted to register; with extra charges for certain allowed professional courses, not to exceed $50 in any half-year.

In the School of Law.....per half-year 75

In the College of Physicians and Surgeons....per half-year 125

In the Schools of Mines, Engineering, and Chemistry (exclusive of certain summer-course fees, see page 59) per half-year..... 125

In the School of Architecture the fees are at the rate of

[1] A "point" is the equivalent of attendance one hour a week for one half-year in class-room exercises, or two hours a week for one half-year in laboratory exercises.

$125 per half-year, except that a student who lacks less than 14 points for the degree or certificate is charged at the rate of $7.50 per point.

In the School of Journalism, per point..... 5

Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 60) and of charges, not to exceed $50, for certain professional courses, per full course $20, per half-course $10, per double course $30—no candidate being permitted to register for less than one full course, or an equivalent—with a maximum per half-hear of..... 75

With a minimum fee of $150 for courses taken to fulfil the requirements for the degree of Master of Arts, and of $300[1] for courses taken to fulfil the requirements for the degree of Doctor of Philosophy, irrespective of the aggregate number of courses attended.

With a maximum fee—for courses aggregating, for the master's degree eight full courses, or an equivalent, for the doctor's degree sixteen full courses, or an equivalent —of $150 and $300, respectively, when the course does not exceed for the master's degree, four, and for the doctor's degree, six years.

A candidate for the doctor's degree who has paid tuition fees amounting to $300 and has taken sixteen full courses or an equivalent, may attend courses without charge for two additional half-years prior to the expiration of six years from the beginning of his candidacy.

For Non-Matriculated Students (and matriculated students taking part time).

For Tuition, except in the Schools of Political Science, Philosophy and Pure Science, at the rate of $7.50 per half-year for each hour of attendance per week on lectures or recitations, with a maximum fee, exclusive of charges, not to exceed $50, for certain professional courses..per half-year 75

With the following exceptions:

In the School of Medicine and in the Schools of Mines, Engineering, and Chemistry, the maximum fee per half-year is $125, in Columbia College and the School of Architecture $100, and in the School of Journalism $90. For other fees see page 60.

[1] Unless, because of having passed at least one year in graduate study at an approved university, the candidate may be excused from attending a longer period than one year in Columbia University, in which case the minimum tuition fee is $150.

Tuition fees paid by a candidate for A.M. will be credited toward the minimum and the maximum fee for Ph.D., provided there be no change in the choice of major and minor subjects.

For tuition, for non-matriculated students in the Schools of Political Science, Philosophy and Pure Science, except in the Summer Session, $25 per full course, $15 per half-course, $35 per double course, with a maximum fee per half-year 75

For laboratory instruction, except in Columbia College—where it is charged for by points—$7.50 per half-year for each two hours weekly, with a maximum of $25 per half-year when the number of hours weekly of such instruction does not exceed nine, and $40 per half-year when the number of hours weekly exceeds nine.

For Tuition in the Summer Session, except in the case of courses numbered above 100, for any course or courses aggregating not more than six points 30

For courses aggregating more than six points 35–40

In the case of courses numbered above 100, the fees are: $20 per full course, $10 per half-course, $30 per double course, with a minimum of $30 in any one Summer Session.

For Students in Extension Teaching, in courses, other than those numbered above 100, that may be taken for credit toward a degree or diploma, per half-year hour (two laboratory hours counting as one) 5

In the case of courses numbered above 100 the fees are: $20 per full course, $10 per half-course, $30 per double course. For special fees in courses not so credited see the separately printed Announcement of Extension Teaching. Fees for courses in Extension Teaching to be paid irrespective of the privileges otherwise secured by the payment of a maximum half-year fee.

(*c*) *For Examinations, payable in each case before examination is held:*

For the first examination or the first series of examinations for admission 10

For any subsequent examination or series of examinations for admission 5

Provided that the initial examination fee above prescribed shall be credited in lieu of the matriculation of the first registration fee whenever the candidate shall thereafter be admitted as a matriculated or a non-matriculated student, respectively.

For any deficiency examination or series of deficiency examinations held in the week preceding the opening of the first half-year, for each course 5

with a maximum fee of 25

For a deficiency examination at any other time than in the

period designated above, whether taken at the conclusion of a course repeated by the student in addition to his normal schedule (except in Columbia College and the School of Journalism) or without such repetition, for each course. 5

For special examinations at unusual times:

For admission, for the series..... 5

For removal of deficiences in the course, for each subject.. 5

For the degree of Doctor of Philosophy..... 35

(*d*) *For degrees, payable on or before the ultimate date fixed by the University calendar for the filing of applications for the respective degrees:*

For the Bachelor's degree (not professional or technical).... 15

For any professional or technical degree or certificate (including the degree of B.Litt. in the School of Journalism)..... 25

For the Foreign Service Certificate..... 10

For the degree of Master of Arts..... 25

(*e*) *For use of the Gymnasium and Baths, and the exclusive use of a locker, per year*..... 7

Required of all students except the following, who are exempt:

(1) Students in the Graduate Faculties, students in Medicine and Pharmacy, and those in other professional schools who hold an academic degree, and students in Extension Teaching, unless they shall elect to use the privileges of the Gymnasium;

(2) Students who have paid this fee for four years, unless they shall elect to use the privileges of the Gymnasium;

(3) Students presenting the certificate of the Director of the Gymnasium, showing actual physical disability.

Summer Session, optional..... 5

For the fees prescribed by the Trustees of Barnard College, Teachers College, and the College of Pharmacy, see the separately printed Announcements.

Laboratory and Special, Summer Surveying, Mining and Geology

Laboratory fees are required for summer courses in surveying as follows: Civil Engineering, Course **15S**, $20, or $5 per survey; courses **25S** and **27S**, $20, or $4 per survey; courses **26S**, **16aS** and **71S**, $10.

All students not registered as regular students in the Schools of Mines, Engineering and Chemistry at Columbia University will be charged the tuition fees for each course or part of a course, as follows:—Course **15S**, $15, or $4 per survey; courses **25S** and **27S**, $15, or $3 per survey; courses **26S**, **26aS**, **28S** and **71S**, $10. In the case of students registered in the Schools of Mines, Engineering and Chemistry, the tuition fee for the scheduled summer courses is included in the fee charged for tuition at the University for the year preceding.

Students entering with advanced standing, but deficient in surveying field work, will be charged tuition fees, and also students taking work at Camp in advance of the specified time. In the latter case, however, the fee so paid will be deducted from the regular tuition fee paid at the University for the year in which the work is regularly scheduled.

Regular students in the Schools of Mines, Engineering and Chemistry who fail to take the prescribed Camp courses in Surveying at the time assigned for this work will be charged a postponement fee of $10 for each course except C.E. **26S**[1] and **26aS**, for which the charge will be $5. Students failing to complete these courses during one session of the school will be charged an additional fee of $2.50 for each survey.

These postponement fees may be remitted in whole or in part, but only for reasons of weight, and upon written application to the Director of the Summer Session. Thus students who are prevented from taking the courses at the time assigned, through serious illness, conflicts with other courses, or the necessity of postponing the work for financial reasons, may be excused from payment of these fees. In every case, application must be made to the Director of the Summer Session before May 2 of the year in which the work should be taken. Except in cases of serious illness, applications submitted later than this date will not be considered. Students whose applications have been approved will be given a statement, which must be presented to the Bursar at the time of payment of fees, and afterwards submitted to the Resident Director at Camp when reporting for the course.

[2]For the summer course in Geodesy a laboratory fee of $25 is charged. The tuition fee operative as above described for courses in surveying is $15.

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of $50.

Deposits

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from $1 to $40, is required of students in Mines, Engineering, Chemistry, and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Residence Halls and University Commons

(See page 67)

[1] This applies to every course in which the student has already received a mark other than passing, whether such mark was reported as a failure, or merely as incomplete.

[2] Refunded to unsuccessful candidates upon application to the Registrar not later than June 20 next ensuing.

EMPLOYMENT FOR STUDENTS

The University endeavors to give students who need it the opportunity to earn enough for partial support and to extend assistance in other ways. During the current year the student earnings reported amounted to $141,735.11.

Preference is naturally given, in case of a choice of applicants, to those who, as strangers in New York, are not likely to hear of positions through other channels. No prospective student should come to Columbia expecting to depend entirely or even largely upon the assistance of the University, and every student should be prepared to meet at least the expenses of the first half-year—say $300.[1]

The chiefs of clinic in the Medical School give advice without charge to students on the employment lists.

Paul C. Holter, A.B., is Secretary of Appointments and all communications should be sent to him.

APPOINTMENT WORK

The appointment work of Columbia University is divided between two branches; one having headquarters at Columbia University, the other at Teachers College.

The duty of these offices is to assist competent graduates of the University to obtain suitable permanent employment.

Both offices will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fee is charged for any services rendered.

The office at Columbia University keeps classified lists of those who wish employment in business, in law offices, along social service or public lines, or in technical branches; also in teaching positions in colleges and universities, except those in Education. Communications relating to above should be addressed to the Secretary of Appointments, Paul C. Holter, A.B.

The Committee at Teachers College keeps classified lists of those who desire administrative, supervisory, and teaching positions in normal, secondary, and elementary schools, kindergartens and hospitals, and for college and university positions in the teaching of Education; that is to say, for any position specific preparation for which is made in Teachers College. Communications should be addressed to the Chairman of the Committee, Professor William H. Kilpatrick, or its Recorder, Miss Isabelle L. Pratt.

[1] For Medicine and Mines, Engineering and Chemistry, add $100, and for Architecture add $50. Students in Mines, Engineering, and Chemistry should also make provision for deposits for apparatus ranging from $10 to $40 and for Summer Courses.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

(See page 474)

RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

Roosevelt and Kaiser Wilhelm Professorships

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of $50,000 to the Trustees of Columbia University. Appointments are made annually, with the sanction of the German Emperor, by the Prussian Ministry of Education upon the nomination of Columbia University, but are not confined to members of this University. In successive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be dealt with. The instruction will be given in German in the University of Berlin during each winter semester, and may be repeated in whole or in part elsewhere during the ensuing semester.

The Prussian Ministry of Education has established in Columbia University a corresponding chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

Visiting French Professorship

By agreement with the Council of the University of Paris there has been established in Columbia University a professorship to be known as the Visiting French Professorship. The appointment is made each year jointly by the Council of the University of Paris and the Trustees of the University. The visiting French professor is to be in residence at the University for three months during the first half-year and to conduct a seminar after the manner of the Conferences of the University of Paris. The French Ministry of Public Instruction sends each year in addition a lecturer to be in residence for the entire year.

Visiting Austrian Professorship

By agreement with the Austrian Ministry of Education a professorial exchange has been established with the universities of Austria. The appointment is made each year of a visiting Austrian professor by the Trustees of Columbia University upon the nomination of the Austrian Ministry of Education. Correspondingly, the appointment of a visiting professor in Austria is made by the Austrian Ministry of Education upon

the nomination of the Trustees of the University. The visiting Austrian professor is to be in residence at the University during the second half-year. Appointments to Austria are not confined to members of this University, and the Austrian professor may come from any Austrian university. The incumbent may represent any branch of knowledge for which there is a reasonably wide interest in the respective countries, but the choice of subjects is otherwise not restricted.

Queen Wilhelmina Lectureship

With the co-operation of the Government of the Netherlands, a lectureship in the history, literature and language of the Netherlands has been established in Columbia University. To this lectureship the name of the Queen Wilhelmina Lectureship has been given, with the approval of the Queen of the Netherlands.

Museum of Natural History

The American Museum of Natural History places its collections at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work.

Metropolitan Museum

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the University, and gives them special facilities for the study of the objects in the Museum.

Botanical Garden

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. The Director is a member of the Faculty of Pure Science. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany.

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary, both of which are represented on the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the theological seminaries in the vicinity of New York: the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), the New Brunswick (N. J.) Theological Seminary, and the German Theological Seminary (Bloomfield, N. J.).

Hospitals

Besides the Vanderbilt Clinic and the Sloane Hospital for Women, the general and special hospitals of New York afford important fields for clinical teaching. The College of Physicians and Surgeons is in close alliance with the Presbyterian Hospital and is strongly represented on the staff of many other institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. In many of these hospitals the fourth-year students are admitted as clinical clerks to serve on the house staff.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

Other Institutions

There are close informal relations between the University and the Hispanic Society of America, the Rockefeller Institute of Medical Research, the New York Zoölogical Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the City, see below.)

THE LIBRARY

The Library contains about 550,000 volumes, exclusive of unbound pamphlets and duplicates, and some 75,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 3500 titles; the Phoenix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phoenix, of the Class of 1859; the Avery Architectural Library, a collection of about 23,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of the Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; the philological library of the late Professor Mortimer Lamson Earle, given by his students and friends, consisting of some 2500 volumes; the library of Henry Livingston Thomas, late Chief Translator of the Department of State, Washington, given by his son, Dr. William S. Thomas, some 9000 volumes; the library of the American Mathematical Society, 5,000 volumes; the musical library of Dr. James Pech, consisting of 8723 pieces; the library of the late George W. Hill, 5,000 volumes on mathematics and astronomy; and a collection in contemporary German literature at the Deutsches Haus. The Library is also the depository for the Reform Club of the City of New York.

Reading Rooms

About 10,000 carefully selected reference books and many of the most important works on all subjects, in standard editions, representing the

leading authors in all literatures, are placed in the general reading-room directly accessible to all authorized readers. On the same floor, in the north wing, is the periodical reading-room, where are shelved many bound volumes of periodicals, and the current numbers of government documents and periodicals.

For the convenience of undergraduates of Columbia College, there is in Hamilton Hall a College Study. Five thousand carefully selected volumes have been placed in this room as a reference library.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociological and Economic Sciences and History, are twenty special study rooms, open only to authorized readers, which afford to advanced students and investigators in these fields opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms.

The Law Library, the Bryson Library of Teachers College, which is the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons, the College of Pharmacy, the Deutsches Haus, and the School of Journalism, are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, such as those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

In the basement of the Library, the New York Public Library maintains a branch of its circulation department. The collection contains about 4000 volumes, and 80,000 additional titles are available through the Interbranch Loan System.

By the courtesy of the trustees of Union Theological Seminary the reading room of that institution is open to students of the university.

Catalogues The general catalogue of the libraries of the University is a record of all books in the possession of the University. In addition to this there are catalogues of department libraries located in department reading-rooms, and a union catalogue which is a record, by authors only, of books not possessed by the University which may be found in the Library of Congress, John Crerar Library, Harvard University, and other libraries. The catalogue of the New York Public Library in the Library building, 42nd St. and 5th Avenue, may also be consulted, especially for references to articles in magazines not indexed in the published indexes to periodicals.

Use All officers, students, and graduates of the University have free access to the Library and may draw books for home use. For further information, consult the *Readers' Manual.*

Officers of New York University, of the College of the City of New

York, of the Normal College, of the Metropolitan Museum of Art, of the American Museum of Natural History and principals and heads of departments of the New York High Schools are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

The Library is open each week-day (except Labor Day, Thanksgiving, Christmas, New Year's Day, Good Friday, and Independence Day) from 8.30 A.M. until 11 P.M., October–June; and until 10 P.M., July–September.

Book Store

A University book store is maintained in the basement of the School of Journalism building under the auspices of the Columbia University Press, where officers and students may purchase books and stationery at stated discounts from list prices.

THE GYMNASIUM

(See page 48)

UNIVERSITY COMMONS

The University Commons, in University Hall, is operated under University supervision for the benefit of officers and students. The service is *a la carte*, or regular board may be secured for $6 a week.

RESIDENCE HALLS

For Men

There are three University residence halls on South Field, with accommodations for, approximately, 820 men: Hartley Hall, the gift of Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, '03, in memory of the late Marcellus Hartley; Livingston Hall, named in memory of Robert R. Livingston, of the Class of 1765; and Furnald Hall, provided for in the will of the late Francis P. Furnald in memory of his son, Royal Blackler Furnald, a member of the Class of 1901. Each building is 10 stories in height exclusive of basement, and 137 feet long by 64 feet wide. They are lighted by electricity and heated by steam, and have telephone and electric elevator service.

The Halls are built of stone and over-burned brick. The floors and partitions are of the reënforced concrete type, and the construction is considered thoroughly fire-resistant throughout.

Hartley and Livingston each contain 300 rooms, the average size of the bedrooms being 8′-4″ x 14′-6″ and of the studies 10′-6″ x 14′. Furnald contains 294 rooms, the average size of bedrooms being 9′-0″ x 14′-9″ and of the studies 11′-6″ x 13′-6″. All the rooms have outside light and exposure, and the arrangement permits of flexibility in renting rooms

in suites. There are also several double rooms. All ceilings are nine feet high. Each bedroom has a clothes closet and enamelled basin with hot and cold running water. The rooms are provided with heavy oak furniture of mission type. There are four shower baths on each floor. All the water used in the Halls is filtered. The entrance for students to each Hall is from the campus, and leads directly into a large assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance. It is furnished in heavy leather-covered oak. At one side of the main entrance is the office of the Hall, and on the other a reception room. In the basement is space for trunk storage. There are well equipped infirmaries, in each one of the residence halls. Rentals range from $105 for single rooms to $400 for three-room suites for the academic year of 38 weeks.

The Residence Halls are supervised and controlled by a Council composed of the Comptroller, three University officers, and a representative from each hall. The Council is assisted by three committees made up of residents in the Halls.

While the Halls are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, are given the preference in the assignment of rooms in Hartley Hall. A pamphlet containing floor-plans, charges, and the Hall Regulations may be had upon application to the Secretary of the University. Rooms will be assigned in the order of receipt of written applications to be made on a blank provided by the Superintendent of Buildings and Grounds.

For Women

Brooks Hall, the residence hall for Barnard College students, on the north side of 116th Street, accommodates 90 students. Full information in regard to the situation and cost of rooms, the advance deposit, the charge for electric light, and the residence scholarship is published in a separate pamphlet, to be had on application to the Secretary of Barnard College, or to the Mistress of Brooks Hall, Barnard College, New York City.

Whittier Hall, the dormitory of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the House Director of Whittier Hall, 1230 Amsterdam Avenue.

Other Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings have been undertaken, and a card-catalogue is kept at Earl Hall. Many of the Greek-letter fraternities, a list of which will be found on page 70, maintain chapter houses near the University

PUBLIC WORSHIP AND RELIGIOUS WORK

Service in St. Paul's Chapel, at which attendance is voluntary, is held every week-day during the academic year, except Saturday and Wednesday, at noon, the period from 12 to 12.30 being set aside by the University Council for religious exercises. On Wednesday there is a vesper service at 5.10. Service on Sunday is at 4 o'clock. Organ recitals are also frequently given.

Barnard College, twice a week, and Teachers College, daily, hold separate services in their respective chapels.

EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M. to 10 P.M. daily to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching, but all organizations, the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large, have the privilege of using it for their meetings. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club. Provision for the regular meetings of student organizations is made on a day-and-hour schedule, without exclusive use of any of the rooms, in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary; and (4) miscellaneous student organizations.

The Secretary of the Young Men's Christian Association, the Chaplain of the University, the University Medical Officer, the Graduate Manager of the Athletic Association, and the Secretary of King's Crown have offices in this building. During certain hours of the day the managers and other students representing organizations, such as the Columbian, the Musical Clubs, and the Student Board, may be found here.

MEDICAL ATTENDANCE

The University Medical Officer, Dr. McCastline, has direct supervision of all matters affecting the health of the student body. All cases of communicable disease occurring in homes of students must be promptly reported to him. As University physician Dr. McCastline holds office hours daily in Earl Hall for consultation with the students.

For those who are without local family physicians there is a Medical Visitor (Dr. D. S. D. Jessup, 601 W. 113th St.) whose duties are to render medical assistance to such officers and students as may desire it, either

at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients.

In Livingston and Furnald are well equipped infirmaries.

STUDENT ORGANIZATIONS

The various student organizations, while self-governing, are subject to the following regulations: The schedules of public contests and performances must be approved by a University Committee (see page 10); budgets for expenditure are approved and checked by the Comptroller; the University Committee on Athletics, consisting of three graduates, two students, and two University officers, adopt and administer rules of eligibility not involving questions of scholarship and govern participation in intercollegiate athletics. Provision is made for the election each year by the student body at large of a Board of Student Representatives. The constitution of this board will be found in the pamphlet on Student Organizations, which may be obtained from the Secretary of the University. The members for the current year are:

W. Dwyer, '15, *Chairman;* R. Benson, '15 S; F. L. Brady, '15; W. Brophy, 15 S; L. C. Danielson, '15; E. M. Gardner, '15 S; L. H. F. Mouquin, '15; V. G. Sanborn, '15.

The Columbia University Athletic Association was organized in 1909 for the purpose of formulating and maintaining a general athletic policy at Columbia. The annual dues are $10.00, entitling members to free admission at all home games and also to the use of the Gould Boat House.

King's Crown is an organization aiming to do for non-athletic activities what the athletic association does for athletics. The annual dues are two dollars, entitling members, among other privileges, to discounts from the prices of subscriptions to publications and admission to non-athletic performances.

The following Greek-letter fraternities, given in the order of their establishment, maintain chapters at Columbia University:

Alpha Delta Phi; Psi Upsilon; Delta Phi; Delta Psi; Phi Kappa Sigma; Phi Gamma Delta; Phi Kappa Psi; Delta Kappa Epsilon; Zeta Psi; Beta Theta Pi; Delta Tau Delta; Theta Delta Chi; Phi Delta Theta; Delta Upsilon; Sigma Chi; Sigma Alpha Epsilon; Phi Sigma Kappa; Theta Xi; Alpha Chi Rho; Phi Epsilon Pi; Sigma Nu; Alpha Sigma Phi; Zeta Beta Tau.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University, and attention is called to the following information which the number assigned to a course will in each case indicate.

Odd numbers indicate the first, even numbers the second half of the academic year. Courses designated 1–2, 21–22, etc., run through two half-years beginning the first-half; those designated 4–5, 24–25, etc., begin the second half-year; courses designated 1–4, 5–8, etc., run through two complete academic years. Courses numbered between 1 and 100 are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from 101–200 are primarily for students who hold a first degree but are open to undergraduates who have completed 64 points (for courses in law 94 points), including all prescribed work. In general, no such course may be taken without some elementary training in the same or in some allied subject. Courses from 201–300 are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from 301 up. Attention is called to the current *Announcement of the Faculties of Political Science, Philosophy, and Pure Science,* and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students should consult the officers of instruction and administration concerned with regard to their selection of courses before registration.

Courses enclosed in brackets are not offered during the current year, and any other courses not applied for by at least three candidates for a degree may be withdrawn by the instructor.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in mines, engineering, chemistry, medicine, and law, all courses numbered over 101 are open to women upon the same terms as to men unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of class-room work (lectures, conferences, and recitations) per week. When a course involves both class-room work and laboratory or drafting-room work, the former will be indicated by *C* and the latter by *L* and *D*.

respectively. In courses in medicine, *D* indicates demonstrations. An "afternoon" implies three hours a day, normally from 1:00 to 4:00.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 204, *et seq.*, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see page 204; Bachelor of Laws, see page 231; Bachelor of Architecture, see page 351; Bachelor of Literature, see page 361; Doctor of Medicine, see page 243; for the several degrees in mining, engineering, and chemistry, see pages 263–276.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some of the *Bulletins of Information* published by the University, and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 512.

AGRICULTURE

See introductory paragraphs, page 71

Professor: MORGAN (O. S.)

1–2—Principles of Agriculture. 3 points. Professor O. S. MORGAN

101–2—Advanced Agronomy. *C* 2 hours, *L* 4 hours. Full course. Professor MORGAN

121–22—Advanced Animal Husbandry. *C* 2 hours, *L* 4 hours. Full course. Professor MORGAN and Mr. BOWES

211–12—Soil Management. Full or double course. Professor MORGAN and Mr. LAKE

213–4—Soils. Full or double. Professor MORGAN and Mr. LAKE

Summer

S1—Field Crops. Lectures and laboratory. 3 points. Professor MORGAN

S2—Forage and Root Crops. Lectures and demonstrations. 2 points. Professor MORGAN

S3—Soil Management. 3 points. Mr. LAKE

S5—Horticulture. Lecture and laboratory. 3 points. Mr. BURGDORFF

S7—Animal Husbandry. Lecture and laboratory. 3 points. Mr. BOWES

Extension

E1–2—Field Crops. Lectures and laboratory. 3 points. Professor MORGAN

e1*a*–2*a*—Sections I and II. Field Crops. Lectures and demonstrations. 2 points. Professor MORGAN

e3–4—Soils and Fertilizers. Lectures and laboratory. 3 points. Mr. LAKE

e5–6—Horticulture. Lectures and laboratory. 3 points. Mr. BURGDORFF

e5*a*–6*a*—Evening section. 3 points. Mr. BURGDORFF

e7–8—Animal Husbandry. Lectures and laboratory. 3 points. Mr. BOWES

e7*a*–8*a*—Animal Husbandry. Lectures and demonstrations. 2 points. Mr. BOWES

e9–10—Poultry Husbandry. Lectures and laboratory. 3 points. Mr. WALKER

e9*a*–10*a*—Poultry Husbandry. Lectures and demonstrations. 2 points. Mr. WALKER

e17–18—Animal Husbandry. Lectures and laboratory. 3 points. Mr. BOWES

Attention is also called to the following related course, Education 178c.

The work in agriculture is carried on in large part in Schermerhorn Hall. The library is at present lodged in the Botany reading room. Besides the usual laboratory equipment in field crops, soils, horticulture and animal husbandry the department has a seventy-six foot greenhouse. Special research laboratories, with separate temperature and heat control, are provided in the glasshouse laboratory. Land for experimental and demonstration plant-work is located near the glasshouse and also in the Bronx.

ANATOMY

See introductory paragraphs, page 71

Professor: HUNTINGTON (*Executive Officer*)
Associate Professor: SCHULTE
Assistant Professors: GALLAUDET
Associate: TILNEY
Instructors: BROWN (A. J.), ST. JOHN, SHARP, STRONG, and VAUGHAN
Assistants: KERNAN, PICKHARDT and VICTOR

Courses 101, 103-104, 105, 107, 202, 204, 251–252, and 302 are open to qualified candidates for the degree of A.M. or Ph.D. The demands on laboratory space and teaching force render it necessary to limit the number of students admitted to these courses.

101—Histology and embryology. 12 hours. Professors SCHULTE and Drs. STRONG and SHARP. *C* and *L*

103–104—Anatomy of the extremities; preliminary visceral anatomy, 12 hours. Drs. BROWN and VAUGHAN. *C* and *L*

105—Anatomy of head and central nervous system; abdomen and thorax. 12 hours. Drs. TILNEY, STRONG, and ST. JOHN. *C* and *L*

107—Vertebrate morphology. 3 hours. Professor HUNTINGTON. Lectures

109—Anatomy of the mouth, larynx, and pharynx. 3 hours. Pro- GALLAUDET. *C*

111—Anatomy of the eye. 3 hours. Professor GALLAUDET. *C*

113—Anatomy of auditory apparatus. 3 hours. Professor GALLAUDET. *C*

114—Topographical anatomy of the thorax. 3 hours. Professor GALLAUDET. *C*

116—Topographical anatomy of the abdomen. 3 hours. Professor GALLAUDET. *C*

118—Topographical anatomy of the male and female genito-urinary tract. 3 hours. Professor GALLAUDET. *C*

120—Regional anatomy of the head and neck. 3 hours. Professor GALLAUDET. *C*

202—Special morphology. 3 hours. Professors HUNTINGTON and SCHULTE. Half-course. *L*

204—Morphology of the nervous system. 3 hours. Dr. TILNEY. Half-course. *L*

251–252—Research in anatomy. Professor HUNTINGTON, and staff. Two half-courses

302—Seminar in histology and embryology. 1 hour. Professor SCHULTE.

Equipment The laboratory facilities of the department are very complete. The large general dissecting-room accommodates from 390 to 546 students, working in groups of five or seven at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations both in series of natural groups and in the comparative and relative positions of organs and systems. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses.

The second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both increase the efficiency of the sectional

demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

ANTHROPOLOGY

See introductory paragraphs, page 71

Professors: BOAS (*Executive Officer*) and SAVILLE

Instructor: GOLDENWEISER

1–2—General introductory course. 3 hours. Professor BOAS and Dr. GOLDENWEISER. 3 points each

101—Introduction to anthropology. 2 hours. Professor BOAS. Half or full

102—Methods of anthropological research. 2 hours. Professor BOAS. Half or full

104—Prehistoric archaeology. 2 hours. Professor SAVILLE. Full

105–106—Anthropometry. *C* 2 hours, *L* 3 hours. Professor BOAS

111–112—Mexican archaeology. 2 hours. Professor SAVILLE. Full

113–114—Archaeology of northwestern South America. 2 hours. Professor SAVILLE. Full

117–118—American languages—Introductory course. 2 hours. Professor BOAS. Full or double

119–120—American languages—Advanced course. 2 hours. Professor BOAS. Full or double

[129–130—Ethnography of Africa and the islands of the Pacific Ocean. Dr. GOLDENWEISER. Full]

[131–132—Ethnography of Europe. Professor BOAS. Full]

133–134—Ethnography of America and Siberia. 2 hours. Dr. GOLDENWEISER. Full

[137—General ethnology—Primitive man and his physical environment. Dr. GOLDENWEISER. Full]

138—General ethnology—Technology and primitive art. 3 hours. Dr. GOLDENWEISER. Full

139—General ethnology—Types of primitive religion and mythology. 3 hours. Dr. GOLDENWEISER. Full

[140—General ethnology—Social organization. Dr. GOLDENWEISER. Full]

203–204—Research work in anthropology. Professors BOAS and SAVILLE, Dr. GOLDENWEISER

301–302—Seminar in ethnology. 2 hours bi-weekly. Professor BOAS

The collection of the American Museum of Natural History may be used by students of anthropology.

S101—Introduction to anthropology. 2 points. Professor BOAS **Summer**

S102—Ethnographic basis of history. 2 points. Dr. GOLDENWEISER

S103—School anthropology. 2 points. Professor BOAS

S104—Primitive religion. 2 points. Dr. GOLDENWEISER

Attention is also called to the following related courses: History 169 and 223; Sociology 255, 256 and 257.

ARCHITECTURE

See introductory paragraphs, page 71

Director: LORD (A. W.)

Professors: HAMLIN and SHERMAN (F. D.)

Assistant Professors: HARRIMAN and WARREN

Associates: PRÉVOT, WARE

Curator: BACH

Unless otherwise indicated, all courses in this outline numbered below 100 are prescribed.

1–2—The elements of architecture. 1 hour lecture and work in drafting room. Professor HARRIMAN

5—Shades and shadows. 3 hours lectures and work in drafting room. Professor SHERMAN

6—Descriptive geometry. 5 hours lectures and recitations. Professor SHERMAN

7—Perspective. 1 hour lecture and work in drafting room. Professor SHERMAN

8—Stereotomy. 1 hour lecture and work in drafting room. Professor SHERMAN

11—Plumbing and Drainage. 1 hour lecture. Professor WARREN

12—Heating and Electric Light Wiring. 1 hour lecture. Professor WARREN

15, 16—Building materials. 2 hours lectures. Professor WARREN

17, 18—Structural design. 2 hours lectures. Professor WARREN

21, 22—Ancient and medieval architecture. 2 hours lectures. Professor HAMLIN

21*a*—Historic Research—Ancient and medieval architecture. Equivalent of 4 hours weekly in library during first term. Professor HAMLIN and Curator BACH

23, 24—Renaissance, modern and oriental architecture. 2 hours lectures. Professor HAMLIN

23*a*—Historic Research—Renaissance, modern and oriental architecture. Equivalent of 4 hours weekly in library during second term. Professor HAMLIN and Curator BACH

31, 32—Ancient Ornament. 1 hour lecture. Curator BACH

33, 34—Medieval Ornament. 1 hour lecture. Professor HAMLIN

35, 36—Modern Ornament. 1 hour lecture. Professor HAMLIN

41, 42—Decorative Arts. 1 hour lecture. Curator BACH

51 to 54—Theory of architecture. 1 hour lecture throughout two years. Professor LORD

61–62—Elementary design. Major and minor problems, second year. Professor LORD, Mr. PRÉVOT, Mr. WARE

63–64—Intermediate design. Major and minor problems, third year. Professor LORD, Mr. PRÉVOT, Mr. WARE

65–66—Advanced design. Major and minor problems, and a final or thesis problem, fourth year. Professor LORD, Mr. PRÉVOT, Mr. WARE

71 to 78—Drawing. 4 hours weekly throughout four years. Freehand drawing, pen and ink, and water colors from the cast, still-life and living model, modeling. Professor HARRIMAN. Life drawing and modeling under Mr. COX of Teachers College

72a, 74a, 76a—Summer work. Curator BACH. Only one of these courses is required and may be completed in any summer at the discretion of the student.

117–118—Advanced construction. Problems in structural design, with accompanying details and specifications. Professors LORD, WARREN, Mr. PRÉVOT, Mr. WARE

121, 122—Ancient and medieval architecture. 2 hours lectures. Professor HAMLIN

121*a*—Historic Research. Ancient and medieval architecture. Professor HAMLIN and Curator BACH

123, 124—Renaissance, Modern and Oriental Architecture. 2 hours lectures. Professor HAMLIN

124*a*—Historic Research. Renaissance, Modern and Oriental Architecture. Professor HAMLIN and Curator BACH

161–162—Graduate design. Major and minor problems. Professor LORD, Mr. PRÉVOT, Mr. WARE

228*a*—Graduate research. Four essays upon subjects selected by the student and approved by the Professor of the History of Architecture, involving original research and study in the Avery library and the Metropolitan Museum of Art, to the extent of approximately 10 hours per week through the year. Professor HAMLIN

sF—Freehand drawing. 3 hours lectures and work in drafting-room **Summer** Mr. ALLEN

s1—Elements of architecture. 3 hours lectures and work in drafting-room. Professor HARRIMAN

s5—Shades and shadows. 8 hours lectures and work in drafting-room. Mr. ALLEN

s7—Perspective. 6 hours lectures and work in drafting-room. Mr. ALLEN

s31–32—History of ancient ornament. 5 hours lectures. Curator BACH

s41, 42—Decorative arts. 5 hours lectures. Curator BACH

s61–62—Elementary design. Major and minor problems. Mr. WARE

s63–64—Intermediate design. Major and minor problems. Mr. WARE

s65–66—Advanced design. Major and minor problems. Mr. Ware
s71—Freehand drawing. 12 hours. Professor Harriman
s73—Water color drawing. 12 hours. Professor Harriman
s75—Freehand drawing, advanced. 12 hours. Professor Harriman

Extension

e1—The elements of architecture. 1 hour lecture and work in drafting-room. Professor Harriman
e2—Applied elements. 4 hours in drafting-room. Professor Harriman
e5—Shades and shadows. 3 hours lectures and work in drafting-room. Professor Sherman
e6—Shades and shadows. 3 hours lectures and work in drafting-room. Professor Sherman
e7—Perspective. 2 hours lectures and work in drafting-room. Professor Sherman
e8—Perspective. 2 hours lectures and work in drafting-room. Professor Sherman
e9, 10—Descriptive geometry. 4 points. Professor Harrington
e14—Structural design. 2 points. Mr. Pond
e15, 16—Building materials. 2 hours lectures. Mr. Walsh
e21, 22—Ancient and medieval architecture. 2 hours lectures. Curator Bach
[e23, 24—Renaissance, modern and oriental architecture. 2 hours lectures each half-year. Curator Bach (not given in 1914–15)]
e31, 32—History of ancient ornament. 1 hour lecture. Curator Bach
e33, 34—History of medieval ornament. 1 hour lecture. Curator Bach
[e35, 36—History of modern ornament. 1 hour lecture. Curator Bach (not given in 1914–15)]
e61–62—Elementary design. Mr. Prévot, Mr. Ware and Mr. Schulz
e63–64—Intermediate design. Mr. Prévot, Mr. Ware and Mr. Schulz
e65–66—Advanced design. Mr. Prévot, Mr. Ware and Mr. Schulz
e71, 72—Drawing. 4 hours. Professor Harriman
e75—Drawing, advanced. 4 hours. Professor Harriman

Other Courses

Students in the School of Architecture likewise register for courses in Mathematics as follows: Math. 1, Advanced Algebra, 3 hours lectures, Professor Grove and Dr. Reddick; Math. 8, Analytical Geometry, 3 hours lectures, Dr. Reddick and Dr. Graves (this course likewise includes a short period in the Calculus in so far as required for work in Mechanics); Math. 9, completion of the Calculus (not given in 1914–1915); the required course in Mechanics is Mech. 9, 3 hours lectures, Professors Burnside and Schroeder. Math. 10–11 or 15–16 may be taken in lieu of Math. 8–9, provided either Math. 3 or Math. 4 has been taken previously.

Certain additional courses may be elected under the Faculty of Applied Science, subject to the authority of the Dean of that Faculty. For information on this subject consult the Announcement of the Faculty of Applied Science.

Owing to the competitive character of work in Design (Arch. 61 to 66 and Arch. 161–162), and likewise to the fact that much collateral and other drafting-room and library work is issued in the form of set problems and topics, it is not feasible to indicate a definite figure in hours of time devoted thereto. Roughly, all students are occupied in the drafting-room or in one of the three libraries in Avery Hall during the afternoons and most evenings until 11 o'clock, with regular work in the courses numbered Arch. 61 to 66, 161–162, 117–118, 21*a*, 24*a*, 121*a*, 124*a*, 228*a*; or with collateral work in the courses numbered Arch. 5, 6, 7, 8, 17, 18, 31 to 36, 51 to 54. In the same manner much time in the afternoons and evenings is devoted to the completion of work assigned in courses numbered Arch. 71 to 78 and begun in the regular class sessions; and to preparation of recitation work in Arch. 5, 6, 7, 8, 15, 16, 17, 18; Math. 1, 3 or 4, 10–11, 15–16 or 8–9; Mech. 9.

ARMENIAN

(See page 162)

ASTRONOMY

See introductory paragraphs, page 71

Professor: JACOBY

Associate: BOWIE

1–2—General astronomy—Introductory course. 3 hours. Professor JACOBY

103–104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 1 hour, and 2 hours observatory. Professor JACOBY

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 2 hours. Professor JACOBY

106—Geodesy and practical astronomy. *C* 1 *L* 3 hours.

Professor JACOBY and Assistant

205–206—Reduction of photographic star plates. Full Course. 1 hour, with practical work, for two years. Professor JACOBY

S1–2—General astronomy—Introductory course. Professor JACOBY **Summer**

S103—Observatory practice—Conferences and instrumental work. Professor JACOBY

S107—Geodesy—Summer course in practical geodesy. Full course. Five weeks of practical work in the field. Professor JACOBY and Mr. BOWIE with Assistants.

Equipment

The Wilde Observatory contains an equatorial telescope, with clockwork and accessories. The University has also a very complete collec-

tion of instruments for the application of astronomy to geodesy, including a Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture; a Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision; two Wanschaff 8-inch microscope theodolites; two Fauth 8- and 10-inch microscope theodolites; secondary bar base and invar tape base apparatus, with stretching machines; complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc.; five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs, suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherfurd at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Funds are provided for the publication of researches in astronomical photography. (See University Bibliography.)

In addition, there are a number of unmounted instruments, including Lewis Morris Rutherfurd's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.

BACTERIOLOGY

See introductory paragraphs, page 71

Professor: ZINSSER (*Executive Officer*)
Associate: HOPKINS
Instructors: DWYER and OTTENBERG
Assistant: COULTER
Teaching Fellow: BLISS

Close association is maintained between this department and the Departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

Courses **201, 203, 205–206, 208** and **251–252** are open to candidates for degree of A.M. or Ph.D. Courses **205–206, 208, 209–210** and **251–252** are open to graduates in medicine.

101—General bacteriology. 6 hours. *C, L* full course. Professor ZINSSER, Drs. HOPKINS and DWYER, Mr. BLISS

201—Advanced bacteriology. 18 hours. *C, L* double course. Professor ZINSSER and Dr. HOPKINS

203—Special bacteriology. The study of known species of bacteria and their chemical products, and original investigation. *L* varies in time individually. Professor ZINSSER and Dr. HOPKINS

205–206—The principles of infection, immunity, serum diagnosis, and therapy. 1 hour. Lecture and reading, half course. Professor ZINSSER

208—A practical laboratory course in the technique of serum study. 6 hours. *C, L* full course. Professor ZINSSER and Drs. HOPKINS and OTTENBERG

209–210—Clinical bacteriology. *L* half course. Dr. DWYER

211–212—Clinical serology. Instruction in Wassermann tests, Isoagglutination tests, etc., etc. *L* varies. Open to students who have taken courses **205, 206** and **208** and to advanced students properly qualified. Dr. OTTENBERG and Assistants

251–252—Research in bacteriology. Conferences and laboratory. Time varies individually. Professor ZINSSER and staff

101 (Summer session)—General bacteriology. 10 hours. *C, L* full course. Drs. HOPKINS and DWYER

Equipment

The department of bacteriology occupies the western section of the fifth floor of the north building of the College. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms equipped for the preparation of culture media and for the chemical study of bacterial products. The laboratories are well supplied with all necessary apparatus for the culture and study of microörganisms and with cold storage facilities. A large collection of identified bacterial species is kept under cultivation. The department shares with the Department of Pathology a library in which the most important technical periodicals are on file. The opportunity for clinical bacteriology is given a few qualified workers from time to time in the bacteriological laboratory of the Presbyterian Hospital.

BIOLOGICAL CHEMISTRY

See introductory paragraphs, page 71

Professor: GIES (*Executive Officer*)
Assistant Professor: HOWE
Associates: HOROWITZ, KAHN, MILLER, WEINBERGER
Instructors: GOODRIDGE, EMMETT, and SEAMAN (Teachers College)
Assistants: BERSOHN; COLEMAN, COOMBS, HARKEY and HEFT (Teachers College); LEVINE and PERLZWEIG

All courses not otherwise specified are given at the College of Physicians and Surgeons.

Organic Chemistry

51—Elementary organic chemistry. Introduction to Courses **101** and **102**. *C, D, R* 2 hours, *L* 6 hours, each section (2). Professors GIES and HOWE, Dr. LEVINE and Mr. PERLZWEIG

Nutrition

61–62—Chemistry of nutrition. (*School of Pharmacy.*) *L* 1 hour. Professor GIES

71–72—Elementary physiological chemistry (*School of Practical Arts*). "Household Arts 51." *C*, *R*, 2 hours, *L* 6 hours, each section (2). Professor GIES, Dr. SEAMAN, and Misses HEFT, HARKEY and COOMBS

101 or 102—General biological (physiological) chemistry. A course in the elements of normal nutrition. Full course

101–102—Biological chemistry. *C*, *R* 1 hour, *L* 7 hours. Drs. HOROWITZ and LEVINE, and Messrs. BERSOHN and PERLZWEIG

101–102—Nutrition (physiological chemistry) 51–52. *C*, *D*, *R* 2 hours, *L* 6 hours, each section (2). Professors GIES and HOWE, Dr. LEVINE, and Mr. PERLZWEIG

101—(*School of Practical Arts*) "Household Arts 125." *C* 2 hours, *R* 1 hour, each section (2), *L* 5 hours, each section (2). Professor GIES, Dr. SEAMAN and Misses HEFT, COLEMAN and COOMBS

202—Advanced physiological chemistry, including methods of research in nutrition (*School of Practical Arts*). Full course. "Household Arts 127." *C* 1 hour, *L* 7 hours. Professor GIES and Misses HEFT and COLEMAN

204—General pathological chemistry (*School of Practical Arts*). Lectures on nutrition in disease. "Household Arts 52." *C* 1 hour. Professor GIES

211–212.—Biochemical methods of research, including clinical methods and urinary analysis in general. Full course. *C* 1 hour, *L* 7 hours. Drs. MILLER and HOROWITZ, and Mr. BERSOHN

(213–214)—Chemistry of biological colloids, especially of carbohydrates, lipins, proteins and enzymes. Full course. *C* 1 hour, *L* 7 hours.

221–222—Nutrition in health. A laboratory course in advanced physiological chemistry. Double course. *C* 2 hours, *L* 14 hours. Professor HOWE, Dr. MILLER, and Mr. EMMETT

(223–224)—Nutrition in disease. A laboratory course in advanced pathological chemistry. Double course. *C* 2 hours, *L* 14 hours.

225–226—Nutrition in disease. *C* 1 hour. Drs. GOODRIDGE, KAHN and WEINBERGER

251–252—Advanced physiological and pathological chemistry, including all phases of nutrition. Double course. Research. *C* 1 hour (individual students). *L* 16 hours. Professor GIES and Dr. MILLER

Toxicology

261–262—Effects and detection of poisons, including food preservatives and adulterants. Full course. *L* 8 hours. Professor GIES

Botany

271–272—Chemical physiology of plants. Full course. (The course may be taken in whole or in part at the New York Botanical Garden.) *C* 1 hour, *L* 7 hours. Professor GIES

Bacteriology

(281–282)—Chemistry of microörganisms: fermentations, putrefactions, and the behavior of enzymes. An introduction to sanitary chemistry. Full course. *C* 1 hour, *L* 7 hours.

Biochemical Seminar

301–302—The members of the teaching staff, Ph.D. candidates, and all other investigators in the department, meet weekly to discuss results of recent researches in chemical biology. The seminar is open to all students in the University. 2 hours. Professor GIES

Summer

S101—General physiological chemistry (normal nutrition). 3 points. Professor GIES and Mr. PERLZWEIG

S102—General physiological chemistry (normal nutrition). (Teachers College, *School of Practical Arts*, s-H. A. 125.) 3 points. Professor GIES and Miss COOMBS

S225—Nutrition in health and disease. Professor GIES

Biochemical Research

Biochemical research may be conducted by advanced workers, independently or under guidance. Professor GIES consults regularly with investigators in the departmental laboratories; also in the laboratory of pathological chemistry of Bellevue Hospital and at the N. Y. Botanical Garden.

S251—Research. Professor GIES

Library

Professor GIES's library occupies a room adjoining the main laboratory at the medical school and is accessible, by appointment, to all workers in the Department. The library contains 2900 volumes and 8000 classified separates.

Equipmen

The headquarters of the Department of Biological Chemistry are at the College of Physicians and Surgeons, where eight rooms are well equipped for experimental work. Two of the rooms will each accommodate about seventy workers at a time. Six smaller rooms are specially fitted up for experimental investigations by advanced students.

The laboratory of physiological chemistry at Teachers College is situated on the fourth floor of the Household Arts building. It contains two rooms fully stocked with apparatus and chemicals. The larger of these rooms will accommodate thirty-five workers at a time. The smaller room is intended for work by advanced students.

Biochemical Association

The Columbia University Biochemical Association holds quarterly scientific meetings, which are open to all students in the University. The association publishes the *Biochemical Bulletin*, which is now in its fourth volume.

BIOLOGY

Eight courses in Biology (elementary human anatomy and physiology, introduction to biology, human biology, biology in sex-education, biological nature study, applied biology—advanced course, elementary microbiology including bacteriology, special problems in applied biology) are offered under the direction of Teachers College. For details see the current *Announcement of the School of Practical Arts*.

BOTANY

See introductory paragraphs, page 71

Professors: HARPER (*Executive Officer*) and RICHARDS
Associate Professors: CURTIS and MARQUETTE
Assistant Professor: HAZEN
Instructors: DODGE and LATHAM
Research Assistant: YAMPOLSKY
Assistants: ALTENBURG, FAULWETTER, R. R. STEWART and M. W. STEWART

The undergraduate courses in botany are designed to give a broad general knowledge during the first year, and to permit some specialization thereafter. Graduate courses imply the completion of the equivalent of two to three years of undergraduate work.

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by members of the Garden staff.

1–2—General botany. 8 points. *C* 2 and *L* 4 hours. Professor CURTIS and Mr. ALTENBURG

3–4—Plant morphology. 8 points. *C* 2 and *L* 4 hours. Algae, fungi vascular cryptogams and seed plants. Professors HARPER and CURTIS

5—Elementary Plant Pathology. 3 points. *C* 1, *L* 4 hours. Dr. DODGE

6—Economic botany. 3 points. *C* 1, *L* 4 hours. Dr. DODGE

7—Growth and character of timber. 2 points. *C* 1, *L* 3 hours. Professor CURTIS and Mr. ALTENBURG

9–10—Botanical problems. Introductory to research. Professors HARPER, CURTIS, and MARQUETTE

11–12—Plant anatomy and histology. 6 points. *C* 2, *L* 4 hours. Professor MARQUETTE

101–102—Plant physiology. Two full courses. *C* 2, *L* 6 hours. Professor MARQUETTE

103–104—Structure and development of plants. Two full courses. *C* 2, *L* 4 hrs. Professors HARPER and CURTIS

113–114—Morphology of the higher plants. Study of the orders, including the structure and relationship of plants. Two full courses. Professor CURTIS

115–116—Mycology. Advanced work on the morphology and physiology of fungi with special reference to forms that cause diseases of plants. Two full courses. Professor HARPER and Dr. DODGE

117–118—Cytology. General physiology of organisms. Lectures and laboratory work upon the reproduction, irritability, and nutrition of the cell. Two full courses. Professor HARPER

120—Plant reactions. Lectures and demonstrations on the response of plants to external stimuli. One half course. Professor MARQUETTE

201–208—Physiology. Lines of work dealing with various problems

in plant physiology, such as the relation of structure and function, growth, the irritable mechanism of the plant, and the permanent adaptive reactions to environmental factors. Professors RICHARDS, CURTIS, and MARQUETTE

209–210—Physiology of nutrition—treated from a chemical standpoint. Professors RICHARDS and GIES

211–212—Plant pathology. Diseases induced by cryptogamic parasites, including work in culture methods. Professor HARPER, Dr. MURRILL and Dr. SEAVER

217–218—Embryology of spermatophyta. With special work during two summers. Professors CURTIS and HAZEN

219–220—Morphology. Work dealing with morphological problems in the various groups of plants. Directed by members of the department and Botanical Garden staff

227–228—Taxonomy—Critical study of a family, genus, or other group selected from any division of the plant world. Directed by members of the Botanical Garden staff.

235–236—Plant distribution. Problems dealing with regional botany or plant geography. Professor BRITTON and other members of the staff

239–240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

241–242—Research on the physiology of the cell and reproduction. Professor HARPER

243–244—Plant breeding. Lectures and laboratory work upon the principles of heredity and plant genetics. Dr. STOUT

301–302—SEMINAR for the study of special topics in general physiology and the presentation of the results of investigation. Two half courses. Friday 4–6. Professor HARPER

Colloquium for the review of current botanical literature bi-weekly.

A botanical conference is held monthly at the library of the New York Botanical Garden, where members of the staff and students either present the results of their own work or review the progress of botanical research and publication elsewhere.

51–52—Principles of plant morphology and physiology. *C* 2, *L* 4 hours. Professor RICHARDS, Misses LATHAM and STEWART (Barnard)

53–54—General morphology and development of plants. *C* 2, *L* 4 hours. Professor HAZEN and Miss STEWART (Barnard)

55–56—Morphology and classification of spermatophytes—Study of the natural orders. *C* 1 hour, *L* 4 or 6 hours. Professor HAZEN

153—Anatomy of vascular plants. *C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)

154—Physiology of plants from standpoint of nutrition. *C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)

156—Physiology of plants from standpoint of growth. *C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM (Barnard)

158—Structure and development of algae—Advanced course. *C* 1, *L* 6 hours. Professor HAZEN (Barnard)

159—Structure and development of fungi—Advanced course. *C* 1, *L* 6 hours. Professor RICHARDS (Barnard)

Courses 158–159 are not usually given the same year

160—Embryology and laboratory methods. Practice in methods of technique, with the study of the embryology of one or more types. *L* 8 hours with occasional lectures and outside reading. Miss LATHAM (Barnard)

161–162—Advanced physiology and morphology. Work will be arranged to suit the needs of the students. Professors RICHARDS and HAZEN and Miss LATHAM (Barnard)

Summer

s2—The evolution of plant forms. 4 points. Professor CURTIS and Mr. ALTENBURG

s3—**Fungi and plant diseases.** 4 points. Dr. DODGE

s4—**Algae.** Not given in 1914.

s101—**Plant physiology.** Full course. Professor MARQUETTE and Mr. FAULWETTER

s112—**Mosses and ferns.** Half course. Dr. DODGE

s125—**Plant-breeding and propagation.** Half course. Mr. ALTENBURG

s201—**Special problems in plant physiology.** Full or double course. Professor MARQUETTE

s241—**Research.** Professor CURTIS

Extension

e1–2—Nature and development of plants. 4 points. Dr. DODGE

e1*a*–2*a*—General botany. 2 points. Dr. DODGE

e5–6—Students having completed e1–2, e1*a*–2*a*, e3*a*–4*a*, may register for e5–6. Professor HARPER

Equipment

The Department of Botany occupies the third floor of Schermerhorn Hall, and the laboratories and lecture-rooms are well equipped with apparatus and material for morphological and physiological work.

Similar opportunities are offered to women in the laboratories at Barnard College.

Special laboratories are devoted to work in general and cellular physiology and are provided with micro-photographic equipment and a Zeiss ultraviolet microscope. All necessary apparatus and reagents are available for general histological and cytological work. Provision is also made for work on the metabolism of cells and their reactions to physical stimuli. The equipment includes apparatus for the study of the effects of various thermal, light, and gravitational stimuli on protoplasmic activities, a photometer and electrical measuring instruments such as a delicate d'Arsonval galvanometer, milammeters, resistance measuring instruments, etc., for the study of electro-physiological problems.

A greenhouse connected with a small laboratory and dark room and equipped with a considerable amount of physiological apparatus affords

facilities for experimental work in physiology and pathology and provides living material under the most favorable conditions for all instructional courses. A culture-room with modern equipment for growing the fungi and algae in pure cultures is also available.

Under agreement with the University the Botanical Garden supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material, equipment and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance-room, and laboratory for physiological chemistry. Ample opportunity for experimental work in plant breeding and in plant pathology is afforded by the open-air plantations and extensive horticultural houses.

The Columbia herbarium and the equally extensive collections of the New York Botanical Garden are housed in the large room in the east wing of the Botanical Museum. The cryptogamic collections are arranged in special rooms. The entire aggregation of collections available for students is exceptionally full in every group of plants.

The library comprises over 20,000 volumes in addition to complete sets of the important botanical journals, which now number over one hundred.

A seminar for the study of special subjects in general physiology meets weekly. A colloquium for the study of current botanical literature meets bi-weekly and a botanical conference meets monthly where members of the staff and students present the result of their own work or review the progress of botanical research elsewhere.

CHEMISTRY

See introductory paragraphs, page 71

Professors: BOGERT, MORGAN (J. L. R.), SHERMAN (H. C.), SMITH (ALEXANDER) (*Executive Officer*), and WHITAKER

Associate Professors: REIMER

Assistant Professors: BEANS, CARPENTER, FREAS, METZGER, NEISH, NELSON, TUCKER and ZANETTI

Instructors: BARRY, BUSWELL, CALVERT, FALES, FISHER, FRANCIS, KELLER, KENDALL and THOMAS

Assistants: EASTLACK, GATES, HAESELER, KRAMER, LESLIE, MCGEE, SCATCHARD, TURCK and YATES

Laboratory Assistants: BOOGE, GRIGGS, LOWY, MARCUS, MELZER,

MITCHELL, MUDGE, MUMFORD, PARTENHEIMER, RUSSELL, SCARLETT, SACHS, STILLMAN and TANBERG

Courses given in Havemeyer Hall, numbered between 100 and 200, may be closed to women at the discretion of the instructor.

A—General elementary chemistry. *C* 3 hours, *L* 2 hours. 4 points first half year. Professor NEISH and Assistants

3C–4C—General inorganic chemistry, I, II. *C* 2 hours, *L* 6 hours. 5 points each half year. Professor SMITH, Mr. HAESELER and Assistants

6C–7C—General inorganic chemistry, I, II. *C* 2 hours, *L* 6 hours. 5 points each half year. Professor NEISH and Assistants

6E–7E—General inorganic chemistry, I, II. *C* 2 hours, *L* 6 hours. 5 points each half year. Professor NEISH and Assistants

67–68—Qualitative analysis, I, II. *C* 2 hours, *L* 6 hours. 5 points each half year. Professor ZANETTI and Mr. LESLIE

62C–63C—Qualitative analysis, I, II. *C* 2 hours, *L* 6 hours. 5 points each half year. Professor ZANETTI and Mr. LESLIE

101–102—Advanced inorganic chemistry. *C* 2 hours. Two half courses. Professor SMITH

103–104—Experimental inorganic chemistry. *C* 1 hour, *L* 6 hours. Two full courses. Mr. KENDALL

201—The Phase Rule. *C* 2 hours. One half course. Mr. KENDALL

203–204—Laboratory administration. *C* 1 hour, *L* 6 hours. Two full courses. Professor FREAS

207–208—Inorganic chemistry, special topics. *C* 2 hours. Two half courses. Professor FREAS

209–210—The history of chemistry. *C* 2 hours. Two half courses. Dr. BARRY

212—Chemistry of colloids. *C* 2 hours, *L* 4 hours. One full course. Mr. THOMAS

215–216—Seminar in inorganic and analytical chemistry. *C* 2 hours Two half courses. Professors BEANS and ZANETTI and Mr. KENDALL

217–218—Inorganic chemistry, research. *L* 20 hours. Two double courses. Professors SMITH, FREAS and ZANETTI and Mr. KENDALL

26—Physical chemistry for college students. *C* 3 hours. Three points second half year. Professor MORGAN

121–122—Physical chemistry, general course. *C* 3 hours, *L* 3 hours one term only. Two full courses. Professor MORGAN and Assistant

123–124—Experimental physical chemistry. *C* 1 hour, *L* 6 hours. Two full courses. Mr. KENDALL

225–226—Seminar in physical chemistry. *C* 2 hours. Two full courses. Professors MORGAN and MALTBY

227–228—Physical chemistry, research. *L* 20 hours. Two double courses. Professor MORGAN

41–42—Organic chemistry, elementary course. *C* 2 hours. 2 points each half year. Dr. FISHER

41C–42C—Organic chemistry, elementary course. *C* 3 hours, *L* 6 hours. 6 points each half year. Professor NELSON and Dr. FISHER

43M—Organic chemistry. *L* 12 hours. 6 points. Professor NELSON and Dr. FISHER

49—Organic chemistry. *C* 2 hours, *L* 9 hours. 6 points. Professor NELSON and Dr. FISHER

141–142—Organic chemistry. *C* 3 hours. Two full courses. Professor BOGERT

151–152—Advanced organic chemistry. *L* 6 hours. Two full courses. Professors BOGERT and NELSON and Dr. FISHER

153–154—General organic chemistry. *C* 2 hours. Two half courses. Professor NELSON

255–256—Seminar in organic chemistry. *C* 2 hours. Two half courses. Professors BOGERT and NELSON

257–258—Organic chemistry, research. *L* 20 hours. Two double courses. Professors BOGERT and NELSON

65—Quantitative analysis. *C* 2 hours, *L* 6 hours. 5 points. Dr. BARRY

66—Quantitative analysis. *C* 3 hours, *L* 12 hours. 9 points. Mr. FALES

71—Quantitative analysis. *C* 2 hours, *L* 6 hours. 5 points. Dr. CALVERT

111–112—Theory of inorganic chemical analysis. *C* 2 hours. Two half courses. Professor BEANS

163–164—Quantitative analysis. *C* 3 hours, *L* 12 hours. 9 points each. Professor BEANS and Instructors

267–268—Quantitative analysis, research. *L* 20 hours. Two double courses. Professor BEANS

76—Microscopical analysis. *L* 2 hours, during February and March. 1 point. Mr. BUSWELL

78—Sanitary bacteriological analysis. *C* 2 hours, *L* 6 hours. 5 points. Mr. BUSWELL

79—Sanitary biological analysis. *C* 2 hours, *L* 3 hours. 4 points. Mr. BUSWELL

84—Food chemistry. *C* 3 hours. Professor SHERMAN and Mr. THOMAS

171—Organic analysis. *C* 2 hours, *L* 6 hours. Full course. Professor SHERMAN and Mr. THOMAS

175—Food analysis. *C* 2 hours, *L* 6 hours. Full course. Professor SHERMAN and Mr. THOMAS

176—Chemistry of food and nutrition. *C* 3 hours. Full course. Professor SHERMAN

179—Analysis of water and sewage. *C* 1 hour, *L* 6 hours. Full course. Mr. BUSWELL

180—Sanitary analysis. *C* 1 hour, *L* 6 hours. Full course. Mr. BUSWELL

275–276—Seminar in food chemistry. *C* 2 hours. Two half courses. Professor SHERMAN and Mr. THOMAS

277–278—Food chemistry, research. *L* 20 hours. Two double courses. Professor SHERMAN

81–82—Industrial chemistry, general. *C* 3 hours. 3 points each half year. Professors WHITAKER and METZGER and Instructor

83—Industrial chemistry, advanced course. *C* 3 hours. 3 points. Professor METZGER and Assistant

88—Industrial chemistry. *L* 9 hours. 4 points. Professors WHITAKER and METZGER and Instructor.

89—Industrial chemistry. *L* 3 hours. 3 points. Professor METZGER

197—Chemical factory apparatus and machines. *C* 5 hours. Half course. Professors WHITAKER and THOMAS

198—Chemical factory management. *C* 3 hours. Half course. Professor WHITAKER

295–296—Seminar in engineering and electro-chemistry. Two half courses. *C* 2 hours. Professors WHITAKER, TUCKER and METZGER

297–298—Industrial chemistry, research. *L* 20 hours. Two double courses. Professors WHITAKER and METZGER

80*a*—Factory inspection and summer memoir. 2 points. Professors WHITAKER and METZGER and Instructor

80*b*—Summer factory work and report. 2 points. Professors WHITAKER and METZGER and Instructor

181 or 182—Practical electro-chemistry. *L* 10 hours. Full course. Professor TUCKER

183 or 184—Industrial electro-chemistry. *C* 2 hours, *L* 1 hour. Half course. Professor TUCKER

287–288—Electro-chemistry, research. *L* 20 hours. Two double courses. Professor TUCKER

5–6—General inorganic chemistry. *C* 5 hours. 6 points each half year. Professor REIMER, Miss KELLER and Miss CLARK

41–42—Organic chemistry, elementary course. *C* 3 hours. 3 points each half year. Professor REIMER

43–44—Organic chemistry, elementary course. *L* 6 hours. 3 points each half year. Professor REIMER

63—Qualitative analysis. *C* 3 hours. *L* 8 hours. 7 points. Miss KELLER

64—Quantitative analysis. *C* 3 hours, *L* 8 hours. 7 points. Miss KELLER

105–106—Inorganic chemistry, advanced course. *C* 3 hours, *L* 6 hours. Two full courses. Miss KELLER

145–146—Organic chemistry, advanced course. *C* 3 hours, *L* 6 hours. Two full courses. Professor REIMER

235–236—Physical chemistry. *C* 3 hours. 235, half course; 236, full course. Professor MALTBY

sA—Elementary chemistry. *C* 5 hours, *L* 6 hours. 2 points. Mr. HAESELER and Assistants **Summer**

sA1–sA2—General chemistry. *C* 10 hours, *L* 12 hours. 3 points. Professor NEISH and Assistants

s3C—Inorganic chemistry. *C* 5 hours, *L* 15 hours. 5 points. Mr. LESLIE

s61 or s61*a*—Qualitative analysis. *C* 10 hours, *L* (s61) 30 hours, 6 points (s61*a*) 20 hours, 4 points. Dr. CALVERT and Assistants

s107—Organization and management of the chemical laboratory. *C* 2 hours. Half course. Professor FREAS

s207—Inorganic chemistry, conferences. *C* 5 hours. Half course. Professor FREAS

s123—Experimental physical chemistry. *C* 3 hours. *L* 12 hours. Full course. Mr. KENDALL

s138—Elementary physical chemistry. *C* 5 hours. Half course. Professor MORGAN

s221—Physical chemistry, research. Double course. Professor MORGAN

s41—Organic chemistry. *C* 5 hours. 2 points. Dr. FISHER

s43—Organic chemistry. *L* 15 hours. 3 points. Dr. FISHER and Assistants

s151—Organic chemistry, advanced course. *L* 15 hours. Full course. Dr. FISHER

s241—Organic chemistry, research. Double course. Professor NELSON

s66, *a* or *b*—Quantitative analysis. *C* 5 hours, *L* (s66) 30 hours, (s66*a*) 20 hours. Professor BEANS and Assistants

s111—Modern theory of analytical chemistry. *C* 5 hours. Half course. Professor BEANS

s164—Quantitative analysis, advanced. *L* 30 hours. Double course. Professor BEANS and Assistants

s261—Quantitative analysis, research. Double course. Professor BEANS

s175—Food analysis. *L* 20 hours. Full course. Professor SHERMAN and Mr. THOMAS

s176—Chemistry of food and nutrition. *C* 8 hours. Full course. Professor SHERMAN and Mr. THOMAS

s271, *a* or *b*—Recent advances and problems in food chemistry. *a*, double course; *b*, full course. Professor SHERMAN and Mr. THOMAS

s81—Industrial chemistry, general. *C* 5 hours. 2 points. Professor NEISH

eA1—General chemistry, elementary course. *C* 2 hours, *L* 2 hours. 4 points first half year. Professor NEISH and Assistants **Extension**

eA2—General chemistry, elementary course. *C* 2 hours, *L* 2 hours. 4 points second half year. Mr. HAESELER

e6—General inorganic chemistry. *C* 3 hours, *L* 6 hours. 5 points second half year. Professor NEISH and Assistants

e7—General inorganic chemistry. *C* 2 hours, *L* 6 hours. 5 points first half year. Mr. LESLIE and Assistants

e41–42—Organic chemistry, introductory course. *C* 3 hours, *L* 6 hours. 6 points each half year. Dr. FISHER and Assistants

e62—Qualitative analysis. *C* 2 hours, *L* 6 hours. 5 points second half year. Mr. LESLIE

e71—Quantitative analysis. *C* 2 hours, *L* 6 hours. 5 points first half year. Dr. CALVERT

Equipment For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special *Announcements* of these Schools.

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms and laboratories.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 248 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The new William H. Nichols Laboratories for General Inorganic Chemistry and Qualitative Analysis, together with the rooms for instructors and for research, occupy the whole of one floor of Havemeyer Hall. They are fitted up in the most modern and complete way, with all the conveniences required for instruction and investigation.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance-room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Organic Laboratory has forty large desks, provided with gas, water, exhaust, and electricity, and has special rooms for balances, pressure ovens, glass-blowing and combustions.

The Laboratory of Industrial Chemistry, for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs,

and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer-room, containing a new and complete outfit for the practical testing of illuminants. It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new laboratory for Practical Electro-Chemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electro-chemistry.

The laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, electricity, etc., as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity. There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann Schools receive their instruction, and by observation and practical work in connection with the classes the students in Education 191–192 are enabled to become familiar with the duties of a teacher of Chemistry.

CHINESE (see p. 162)

CIVIL ENGINEERING

See introductory paragraphs, page 71

Professors: BLANCHARD, BURR (*Executive Officer*), LOVELL
Assistant: Professors: JACKSON, NORSWORTHY
Instructors: DROWNE, FINCH, MACGREGOR
Assistants: FISH and MILLER
Lecturer: BROWN

2—Theory of plane surveying. 2 hours. Professor LOVELL, Mr. FINCH and Assistants

15s—Surveying practice—five weeks field work. Mr. FINCH and Assistants

21—Highway engineering. 2 hours. Professor LOVELL

23—Theory of railroad surveying—for mining engineering students. 2 hours and one afternoon. Professor LOVELL and Mr. FINCH

25s—Surveying practice—for civil engineering students—five weeks field work and office work. Mr. FINCH and Assistants

26s—Hydrographic surveying—combined with geodetic surveying and together requiring five weeks—for civil engineering students—two weeks field and office work. Mr. FINCH and Assistants

26*a*s—Limnology—combined with hydrographic surveying and together requiring five weeks—for sanitary engineering students—3 weeks field and laboratory work. Mr. FINCH and Assistants

27—Surveying practice—for mining engineering students—five weeks field and office work. Mr. FINCH and Assistants

28s—Railroad surveying—for mining engineering students—three weeks field and office work. Mr. FINCH and Assistants

51–52—Theory of railroad surveying—for civil engineering students. 2 hours and one afternoon first half-year, 3 hours and one afternoon second half-year. Professor LOVELL and Mr. FINCH

53–54—Elasticity and resistance of materials of engineering. 5 hours lectures and recitations and two afternoons first half, 1 afternoon second half. Professors BURR, NORSWORTHY and Messrs. MACGREGOR, PERRINE MILLER and FISH

55—Standard methods of water analysis. 2 afternoons. Assistant Professor JACKSON

57*a*—Statistics and interpretation of water analysis. Assistant Professor JACKSON

57*b*—Drainage of marshes and lowlands. 10 lectures. Assistant Professor JACKSON and Mr. BROWN

58—Masonry structures. 3 hours and one afternoon. Assistant Professor NORSWORTHY

59—Sanitary treatment of water-supplies and of sewage. 2 hours lectures throughout the term and 2 afternoons laboratory in October. Assistant Professor JACKSON

61—Analytical theory of trusses. 2 hours and 1 afternoon. Assistant Professor NORSWORTHY

62—Graphic statics—for civil engineering students. 2 hours and one afternoon. Assistant Professor NORSWORTHY

64—Graphic statics—for mining engineering students. 1 hour and one afternoon. Assistant Professor NORSWORTHY

71s—Railroad surveying—for civil engineering students—four weeks field and office work. Mr. FINCH and Assistants

75—Hydraulics—for civil engineering students. 3 hours. Mr. FINCH

76—Hydraulics—for mining engineering students. 2 hours. Mr. FINCH

77—Hydraulics—for electrical engineering students. 2 hours. Mr. FINCH

78—Hydraulics—for mechanical engineering students. 2 hours. Mr. FINCH

85—Foundations. 2 hours. Professor BURR

87-88—Design and construction of bridges, roofs and buildings. 2 hours and 1 afternoon. Professors BURR and NORSWORTHY

89-90—Railroad engineering, construction, and operation. 3 hours and 2 afternoons. Professor LOVELL and Mr. FINCH

94—Design and construction of sewers and river and harbor improvements. 2 hours. Professors BURR, JACKSON, and Mr. BROWN

96—Principles of hygiene, sanitary science, and public health. 3 hours. Assistant Professor JACKSON

97—Water-supply, water power and irrigation. 3 hours. Mr. FINCH

99-100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

Summer Surveying

These courses are conducted during fifteen weeks each summer vacation at Camp Columbia, near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers **15s, 25s, 26s, 26as, 27s, 28s,** and **71s.** The University issues a special pamphlet with regard to these courses, which may be had upon application to the Secretary.

Highway Engineering

The following courses constitute the Graduate Course in Highway Engineering which leads to the Degree of A.M. with Highway Engineering as the subject of major interest. The University issues a special Announcement with regard to these courses, which may be had upon application to the Secretary.

101—Economics and design of roads and pavements. Lectures, inspection trips and reports. Half course. Professor BLANCHARD

102—Broken stone, gravel and other roads; brick, stone block, wood block, and cement concrete pavements. Lectures, inspection trips and reports. Full course. Professor BLANCHARD

103—Bituminous surfaces and bituminous pavements. Lectures, inspection trips and reports. Full course. Professor BLANCHARD

104—Highway jurisprudence, highway laws and systems of administration. Lectures. reading and conferences. Half course. Professor BLANCHARD

105—Highway bridges and culverts. Lectures and problems in design work. Half course. Professor BURR and Mr. DROWNE

106—Management engineering. Lectures. Half course. Mr. DROWNE

107—Mechanical appliances used in highway engineering. Lectures, inspection trips and reports. Half course. Mr. DROWNE

108—Non-bituminous road materials, laboratory course. Half course. Mr. DROWNE.

109—Planning of roads and road systems. Lectures, inspection trips and design work. Half course. Mr. DROWNE

110—Planning of streets and street systems. Lectures, inspection trips and design work. Half course. Mr. DROWNE

111—Seminar in highway engineering literature. First session. Reading and conferences. Full course. Professor BLANCHARD

112—Seminar in highway engineering literature. Second session. Reading and conferences. Full course. Professor BLANCHARD

Chemistry

H199—Mining, manufacture, testing and inspection of bituminous materials. Lectures, demonstrations, seminars and inspection of refineries. Full course. Mr. HUBBARD

H200—Testing of bituminous materials, laboratory course. Lectures, seminars and laboratory work. Full course. Mr. HUBBARD

Geology

H215—Engineering geology. Lectures, laboratory and field work. Full course. Professors KEMP and BERKEY

H216—Lithology and petrology. Lectures and laboratory work. Half course. Professors KEMP and BERKEY

Advanced Courses

The advanced courses in the department of Civil Engineering qualifying for the University degrees of Master of Arts and Doctor of Philosophy (those courses which fulfil the residence requirements) are the following:

153–154—Elasticity and resistance of materials. Half course.

257–258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Course 58. Half course.

275–276—Hydraulics (75 with additional reading). Half course.

285–286—Foundations, including theory of earth pressure (85 with additional reading). Half course.

287–288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87–88. Half course.

291–292—Railroad location—Economics of railroad location. Based on Courses 89–90. Half course.

159–160—Sanitary engineering. Based upon Courses 59, 94, 98. Full course.

277–278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works. Full course.

289–290—The engineering of structures, including long-span bridges

and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials. Full course.

293–294—Railroad engineering—Design of the permanent way. Based on Courses 53–54, 75, 85, 87–88, 89–90. Full course.

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as similar instruments. Current meters, hook gauges, and floats of various types are also used in making observations in the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

CLASSICAL PHILOLOGY

See introductory paragraphs, page 71

Professors: EGBERT, KNAPP, LODGE, MCCREA, MOORE (F. G.), PERRY, WHEELER, and YOUNG (*Executive Officer*)
Associate Professor: VAN HOOK
Assistant Professors: HIRST, LOCKWOOD, STURTEVANT
Associate: SHEAR
Instructors: CRAWFORD, DEMAREST, GUERNSEY, MESSER
Lecturer: GOODALE
Instructors in Extension Teaching: REILEY, WYE

Columbia College

Greek

1–2—Elementary course. 6 points. Professor LOCKWOOD and Mr. MESSER

3—Homer, *Iliad*. 3 points. Professor STURTEVANT

5—Homer. Lucian. 3 points. Professor YOUNG

6—Lucian. Plato. 3 points. Dr. GUERNSEY

9–10—Prose composition. First course. One session weekly. 4 points. Professor STURTEVANT

11—Euripides. Sophocles. 3 points. Dr GUERNSEY

12—Attic Orators. 3 points. Mr. DEMAREST

17—New Testament, Gospels. 2 points. Mr. MESSER

18—New Testament, Epistles. 2 points. Professor YOUNG

29–30—Prose composition. Second course. One session weekly. 4 points. Professor WHEELER

39–40—Prose composition. Third course. One session weekly. 4 points. Professor PERRY

41–42—Greek literature. Three sessions weekly. 8 points. Professor VAN HOOK

Latin

A1—Livy, selections. Terence. 3 points. Professors MOORE, LOCKWOOD, STURTEVANT, Dr. GUERNSEY, Mr. CRAWFORD, and Mr. DEMAREST

A2—Horace, *Odes* and *Satires*. Catullus. 3 points. Professors MOORE, STURTEVANT, WHEELER, Dr. GUERNSEY, Mr. CRAWFORD and Mr. DEMAREST

A3–A4—Selections from Latin literature. 6 points. Professor MCCREA

9–10—Prose composition. First course. 2 points. Mr. CRAWFORD

11—Horace, *Satires* and *Epistles*. Tacitus, selections. 3 points. Mr. MESSER

12—Juvenal. Martial. Pliny, *Letters*. 3 points. Mr. DEMAREST

17—Petronius. Suetonius. 2 points. Mr. CRAWFORD

18—Vergil. 2 points. Mr. DEMAREST

29–30—Prose composition. Second course. 2 points. Mr. CRAWFORD.

31—Roman philosophy; selections from the works of Cicero and Lucretius. 3 points. Mr. DEMAREST

32—Roman drama; selected plays of Plautus, Terence, and Seneca. 3 points. Professor STURTEVANT

39–40—Prose composition. Third course. One session weekly. 4 points. Mr. DEMAREST

41—Latin literature of the Republic. Three sessions weekly. 4 points. Professor MOORE

42—Latin literature of the Empire. Three sessions weekly. 4 points. Professor MOORE

Classical Civilization

51—Roman life and thought. 2 points. Professor KNAPP

54—Greek art. 2 points. Professor YOUNG

Barnard College

Greek

1–2—Elementary course. Grammar. Composition. Xenophon. 6 points. Professor HIRST

5—Homer. Lucian. 3 points. Professor VAN HOOK

6—Lucian. Plato. 3 points. Professor YOUNG

9–10—Prose composition. First course. One session weekly. 4 points. Mr. MESSER

11—Euripides. Sophocles. 3 points. Professor HIRST

12—Attic Orators. 3 points. Professor VAN HOOK

15—Lucian. Xenophon, selections from *Memorabilia* and *Symposium*. 2 points. Dr. GUERNSEY

16—Plato, *Euthyphro*, *Crito*, and selections from the *Phaedo*. 2 points. Professor HIRST

29–30—Prose composition. Second course. One session weekly. 4 points. Mr. DEMAREST

39–40—Prose composition. Third course. One session weekly. 4 points. Dr. GUERNSEY

41–42—Greek literature. Three sessions weekly. 8 points. Professor VAN HOOK

Latin

A1—Livy, selections. Terence. 3 points. Professors VAN HOOK, MOORE, HIRST, STURTEVANT, Dr. GUERNSEY, and Miss GOODALE

A2—Horace, *Odes* and *Satires*. Catullus. 3 points. Professors VAN HOOK, MOORE, HIRST, Dr. GUERNSEY, Mr. CRAWFORD and Mr. MESSER

A3–A4—Selections from Latin literature. 6 points. Mr. MESSER

A6—Livy, selections. Terence. 3 points. Miss GOODALE

9–10—Prose composition. First course. 2 points. Miss GOODALE

11—Horace, *Satire* and *Epistles*. Tacitus, selections. 3 points. Mr. MESSER

12—Juvenal. Martial. Pliny, *Letters*. 3 points. Professor HIRST

17—Vergil. 2 points. Professor HIRST

18—Apuleius. 2 points. Mr. MESSER

29–30—Prose composition. Second course. 2 points. Professor HIRST

31—Roman philosophy; selections from the works of Cicero and Lucretius. 3 points. Professor KNAPP

32—Roman drama; selected plays of Plautus, Terence, and Seneca. 3 points. Professor STURTEVANT

39–40—Prose composition. Third course. One session weekly. 4 points. Professor LOCKWOOD, first term; Mr. DEMAREST, second term

41—Latin literature of the Republic. Three sessions weekly. 4 points. Professor KNAPP

44—Roman lyric and elegiac poetry. 3 points. Miss GOODALE

Classical Civilization

51—Roman life and thought. 2 points. Professor KNAPP

54—Greek art. 2 points. Professor YOUNG

Graduate Courses

Greek

203–204—Greek literature. Part II: Prose. 2 full courses. Professor WHEELER

225—Greek oratory. The earlier orators. Full course. Professor PERRY

226—Greek oratory. The later orators. Full course. Professor PERRY

227—Aristotle. *Poetics*, with illustrative reading of several plays. Full course. Professor WHEELER

228—Rapid reading of Greek drama. Full course. Professor WHEELER

253—Greek epigraphy. Introductory course. Half course. Professor PERRY

254—Greek epigraphy. Second course. Half course. Professor PERRY

Latin

201–202—Latin literature of the Republic. 2 full courses. Professor McCrea

215–216—Roman historiography. 2 full courses. Professor Moore

217–218—Roman lyric and elegiac poetry. 2 full courses. Professor McCrea

229—Prose composition. Latin idiom. Half course. Professor McCrea

230—Prose composition. Elements of style. Half course. Professor McCrea

251—Roman epigraphy. Introductory course. Half course. Professor Egbert

252—Roman epigraphy. Official and sepulchral inscriptions. Half course. Professor Egbert

Teachers College

Education 175–176—The teaching of Latin in secondary schools. 2 half courses. Professor Lodge

211–212T—Latin conversation. 2 half courses. Professor Lodge

Education 275–276—Practicum in Latin. Caesar and Vergil. 2 full courses. Professor Lodge

Education 375–376—Problems in Latin Syntax. 2 full courses. Professor Lodge

Classical Archaeology Greek

149—Greek archaeology. Introductory course. Full course. Professors Wheeler and Young

152—Greek archaeology. Part I: Vases. Full course. Professor Wheeler

255–256—Greek life. 2 half courses. Professor Young

257—Pausanias. Half course. Professor Young

175–176—Topography and monuments of ancient Rome. 2 half courses. Mr. Crawford

Latin

253–254—Roman archaeology and epigraphy. 2 half courses. Professor Egbert

261—Roman art. Half course. Mr. Crawford

Comparative Philology

262—Roman numismatics. Half course. Mr. Crawford

293—Italic dialects. Half course. Professor Sturtevant

294—Pronunciation of Greek and Latin. Half course. Professor Sturtevant

Classical Proseminar

297–298—Proseminar in Greek and Latin. 2 full courses. One session weekly. Professor Knapp

Classical Seminar

303–304—Greek section. Greek bucolic poetry. 2 full courses. One session weekly. Professor Perry

305–306—Latin section. Roman comedy. 2 full courses. One session weekly. Professor Lockwood

Summer Comparative Philology

s191—Introduction to linguistic science. Half course. Professor STURTEVANT

Classical Archaeology

s151—Greek art. Half course. Professor BASSETT

s260—Roman religion. Half course. Professor LAING

Greek

s1—Elementary course. 4 points. Professor MACURDY

s2—Homer, *Iliad*. 2 points. Dr. STURTEVANT

s39—Greek prose composition. 2 points. Professor BASSETT

Latin

s128—Greek drama. Half course. Professor MACURDY

sX1*a*—Elementary course. 2 points. Miss WYE

sX1*b*—Elementary course. 2 points. Miss WYE

sY1—Vergil, *Aeneid*, Books I–VI. 2 points. Mr. DEMAREST

sY2—Cicero, selected orations. 2 points. Mr. MESSER

sZ—Latin prose composition. 2 points. Mr. MESSER

sA1—Livy. 3 points. Professor STURTEVANT

sA2—Horace. Catullus. 3 points. Professor MOORE

s9—Latin prose composition. 2 points. Professor KNAPP

s39—Latin prose composition. 2 points. Mr. DEMAREST

s115—Tacitus, *Annals*, selections. Half course. Professor LAING

s137—Roman satire. Half course. Professor KNAPP

s211—Latin conversation. Half course. Miss WYE

s219—Latin prose composition. Half course. Professor MOORE

Extension Greek

e1—Elementary Greek. 3 points. Dr. REILEY

e2—Xenophon and sight translation. 3 points. Dr. REILEY

Latin

eA3—Collegiate Latin. Horace, *Odes* and *Satires*. Catullus. 3 points. Dr. GUERNSEY

eA4—Collegiate Latin. Terence, *Phormio;* Livy (Books XXI–XXII). 3 points. Dr. GUERNSEY

eX1—Elementary Latin. 3 points. Miss WYE

eX2—Caesar, Nepos, and prose composition. 3 points. Miss WYE

eX3—Caesar, Nepos, and prose composition. 3 points. Dr. REILEY

eY1—Ovid and Vergil. 3 points. Miss WYE

eY3—Cicero and Sallust. 3 points. Miss WYE

eY5—Latin prose composition. 2 points. Miss WYE

eY6—Latin prose composition. Course eY5 repeated. 2 points. Miss WYE

eY8—Ovid and Vergil. Course eY1 repeated. 3 points. Miss WYE

e97–98—Colloquial Latin. 4 points. Miss WYE

Equipment

The general library is unusually rich in early and rare editions of the Classics and contains also an excellent selection of recent works on the Latin and Greek languages and literatures and on classical philology in general. The departments of archaeology, epigraphy, palaeography, Roman

history and Roman law are especially well represented. The library receives all the important serial publications, issued abroad and at home, in the field of philology and archaeology. The Avery Library contains a large number of illustrated works on art and archaeology as well as on architecture and offers an unusual opportunity for the study of these subjects. Furthermore, in the Drisler and Earle Collections in the departmental reading room in Philosophy Building the department possesses a special library of selected works which is at the disposal of graduate students. The department is also fairly well equipped with maps, plans, etc.; owns a large collection of photographs of Greek and Roman monuments, localities, and sculpture; and has a large number of squeezes of inscriptions. On the Roman side the Olcott Collection includes a valuable collection of ancient coins, some original inscriptions, and a collection of miscellaneous antiquities. Moreover, the students of the University have free access to the collections of the Metropolitan Museum of Art for study and comparison.

Attention is also called to the following related courses:

Comparative Literature 1–2—Greek and Latin Classics in English Translation. 6 points. Professor YOUNG, first half-year. Professor LOCKWOOD, second half-year.

CLINICAL INSTRUCTION

in Dermatology and Syphilis, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Genito-Urinary Diseases, Obstetrics, Gynecology, Neurology, and Pediatrics, details will be found under the general heading of these departments.

See introductory paragraphs, page 71

Professors: BACON, CHAPPELL, COAKLY, DENIG, FORDYCE, GIBNEY, HAYDEN, KNAPP, and LEWIS

Assistant Professor: WHITMAN

Instructors: BANDLER, BLACKWELL, CARR, COCKS, COLL, DARLING, FROTHINGHAM, GROUT, HOLDEN, JAEGER, KINGSLEY, LESHURE, MCCARTHY, MACKEE, MICHAELIS, SAUNDERS, TYSON, WHITING and WISE

Lecturer: ROGERS

Clinical Assistants:—Orthopedic Surgery—FRIEDER, BOORSTEIN, KEPPLER, SANFORD; *Otology*—CARR, MICHAELIS, ALEXANDER, WARREN; *Dermatology*—ALDRICH, MCMURTRY, WISE, REMER, ROSEN, SNYDER, BLANCARD, JAGLE, STEINKE, STEVENS, HARBECK, KENT, SHARPE, LONG; *Ophthalmology*—GROUT, FRYE, BARVER, HARLOW, GREENBERG; *Laryngology*—BLUMGARTEN, COLL, HARDENBERG, KOBLER, LESHURE, OSGOOD, MYERS, SINGER, FREUDENFALL, HINSDALE

Dermatology

201–202—Dermatology and syphilology. 1 hour. Professor FORDYCE

204—Practical instruction in the diagnosis and treatment of diseases of the skin and syphilis; instruction in radiography. At the Vanderbilt Clinic; 3 hours. Dr. MACKEE

205–206—Histo-pathology of skin diseases and syphilis. 3 hours

207–208—Dermatological therapeutics. 3 hours

209–210—Radiotherapy in skin diseases. 3 hours. Dr. MACKEE

211–212—Clinical diagnosis and treatment of skin diseases. 3 hours. Dr. MACKEE

The department of dermatology and syphilis is equipped with laboratories for histo-pathology, X-ray therapy, and serology as well as with a separate department for the treatment of syphilis by intravenous and intramuscular medication

Genito-Urinary

201—Practical instruction in the diagnosis and treatment of genito-urinary and venereal diseases. 2 hours. Drs. WHITING and KINGSLEY

202—Genito-urinary and venereal diseases. 1 hour. Professor HAYDEN

204—Hospital clinics in genito-urinary diseases. 1 1/2 hours. Professor HAYDEN and Drs. MCCARTHY and BANDLER

206—Practical instruction in the diagnosis and treatment of genito-urinary and venereal diseases. 2 hours. Drs. WHITING and KINGSLEY

Laryngology

201—Practical instruction in laryngology. 2 hours. Dr. FROTHINGHAM

202—Clinical lecture on laryngology. 1 hour. Professor COAKLEY

204—Practical instruction in laryngology. 2 hours. Professor COAKLEY

206—Individual clinical demonstration in laryngology. 1 hour. Dr. FROTHINGHAM

207–208—Practical clinical instruction in laryngology. 1 hour. Professor CHAPPELL and Dr. COCKS

Ophthalmology

201—Practical instruction in ophthalmology. 2 hours. Drs. HOLDEN, TYSON, and GROUT

202—Clinical lectures upon the diseases of the eye. 1 hour. Professor KNAPP

205–206—Hospital clinics in ophthalmology. Professor KNAPP

Orthopedic Surgery

202—Clinical lectures on orthopedic surgery and diseases of the joints. 1 hour. Professor GIBNEY

203–204—Practical instruction in orthopedic surgery. 2 hours. Professor WHITMAN

205–206—Practical instruction in orthopedic surgery. 2 hours. Dr. JAEGER

207—Operations in orthopedic surgery. 1 hour. Professor GIBNEY

Otology

201—Didactic instruction in otological pathology and therapeutic methods. 1 hour. Professor BACON

202—Practical instruction in the diagnosis of the diseases of the ear. 2 hours. Drs. SAUNDERS, MICHAELIS, and CARR

205–206—Operations and bedside instruction in otology. 2 hours. Professors BACON and LEWIS

COMPARATIVE LITERATURE (see page 97)

DISEASES OF CHILDREN

See introductory paragraphs, page 71

Professor: HOLT (*Executive Officer*)

Associates: BERG (H. W.) and LAFETRA

Instructors: BARTLETT, HAYNES, MASON, NORTON, C. H. SMITH, and WILCOX

Assistants: HAMILTON, MCLEAN, MERSEREAU, SCHLOSS, SAMMIS, GRAVES, REUBEN, RIESENFELD, and SILVER

Clinical Assistants: SCHNEPEL, GROESCHEL, MIXSELL, MILLER, HILDRETH, FRIEDSON, MANNING, CLEAVER

Courses, **203, 204, 206, 207–208, 209–210, 211–212, 213–214, 215–216,** and **217–218,** are also open to graduates in medicine.

201—Recitations in diseases of children. 1 hour. Dr. BARTLETT

203—Clinical lectures on diseases of children. 1 hour. Professor HOLT

204—Didactic lectures on diseases of children. 1 hour. Professor HOLT

206—Examination and diagnosis of the diseases of children. 2 hours. Drs. HAYNES and C. H. SMITH, and Assistants

207–208—Bedside instruction in the contagious diseases of children. 1 hour. Drs. BERG and HAYNES

209–210—Hospital clinic in diseases of children. 3 hours. Professor HOLT

211–212—Clinical instruction in diseases of children. Drs. LAFETRA and WILCOX

213–214—Diseases of children. 6 hours. Dr. BARTLETT

215–216—Diseases of children. 6 hours. Drs. LAFETRA and WILCOX

217–218—Diseases of children. 6 hours. Dr. NORTON

219–220—Course in Intubation. 1 hour. Dr. NORTON

Post Graduate A limited number of graduates in medicine will be received in this department for post-graduate instruction. No students will be admitted for less than one half-year and applicants must have had a previous hospital training. The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of Babies', Foundling, and Bellevue Hospitals and in the Vanderbilt Clinic, special instruction in contagious diseases at the Willard Parker and Scarlet Fever Hospitals, and opportunities for witnessing post-mortem examinations at the New York Foundling Hospital.

DRAFTING

See introductory paragraphs, page 71

Associate Professor: MAYER (*Executive Officer*)

Assistant Professors: MILLER and HARRINGTON

1–2—(*a*) Elements of mechanical drawing; freehand lettering; (*b*)

Projections; (*c*) Machine drawing—sketches, tracing; (*d*) Topography. 1 hour *C* and 5 hours *D*. 2 points. Professors MAYER, MILLER and HARRINGTON

3—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections; developments; warped surfaces. 3 hours. *C*, 3 points. Professors MAYER, MILLER and HARRINGTON

5–6—(*a*) Graphics—Shades and shadows; perspective; (*b*) Stone-cutting. 3 hours. *C* and *D*. Professors MAYER, MILLER and HARRINGTON

7,8—(*a*) Structural drawing; (*b*) Machine drawing. 6 hours. *C* and *D*. Professors MAYER, MILLER, and HARRINGTON

Summer

S1–2—Mechanical drafting. 3 points. Professor MAYER

S3–4—Descriptive geometry. 2 points. Professor MAYER

S5–6 and 7–8—Advanced mechanical drafting. 3 points. Professor MAYER

Extension

E1–2—Mechanical drafting. $2^1/_2$ points. Professor HARRINGTON

E3–4—Descriptive geometry. 2 points. Professor HARRINGTON

E5—Graphics. 3 points. Professor HARRINGTON

E8—Specialized engineering drafting. (*a*) Structural drafting. (*b*) Machine drafting. 3 points. Professor HARRINGTON

Equipment

The collections of the department contain models illustrating problems in projections and descriptive geometry, a special feature of which is the set of Olivier models illustrating the warped surfaces and problems in intersections and tangencies.

ECONOMICS AND SOCIAL SCIENCE

See introductory paragraphs, page 71

Professors: CLARK, DEVINE, GIDDINGS, LINDSAY, MOORE (H. L.), SEAGER, MITCHELL (W. C.), and SELIGMAN (*Executive Officer*)

Associate Professors: CHADDOCK, MUSSEY and SIMKHOVITCH

Assistant Professors: AGGER, MONTGOMERY and TENNEY

Instructors: HAIG, HUEBNER, HUTCHINSON and STEVENS

Lecturers: HUNTER and TUCKER

Assistants: BRANDT, SHENTON and WHITIN

Political Economy and Finance

A1–A2—Outlines of economics—Practical economic problems. Recitations, lectures, and essays. 6 points. Professors MUSSEY and CHADDOCK and Dr. HUTCHINSON (Barnard College)

1–2—Introduction to economics—Practical economic problems. 6 points. Professor AGGER, Drs. HAIG and STEVENS and Mr. TUCKER

3–4—Money and banking. 4 points. Professor AGGER

5—Practical economic problems. 3 points. Mr. TUCKER

6—Introduction to economics. 3 points. Mr. TUCKER

11–12—Women in industry. 6 points. Miss HUTCHINSON (Barnard College)

101–(51)—Science of finance—I: Public revenues. 2 hours. Professor SELIGMAN

102–(52)—Science of finance—II: Public expenditures, public debts, and the budget. 4 hours. Professor SELIGMAN

103—Commerce and commercial policy. 2 hours. Professor MUSSEY

105–(55)—The labor problem. 2 hours. Professor SEAGER

This course is also given at Barnard College as a two-point course (117)

106–(56)—The trust and corporation problem. 2 hours. Professor SEAGER

This course is also given at Barnard College as a two-point course (118)

107—Fiscal and industrial history of the United States. 2 hours. Professor SELIGMAN

108—Railroad problems, economic, social and legal. 2 hours. Professor SELIGMAN

109—History of socialism. 2 hours. Professor SIMKHOVITCH

111–112—Problems of public health—Standards of living. 4 points. Professor CHADDOCK (Barnard College)

114—Marx and post-Marxian socialism. 2 hours. Professor SIMKHOVITCH

115—History of socialism. 2 points. Professor SIMKHOVITCH (Barnard College)

116—Socialism and the social movement. 2 points. Professor SIMKHOVITCH (Barnard College)

119—Economic history. 2 hours. Professor SIMKHOVITCH.

201—Economic readings—I: Classical English economists. 2 hours. Professor SEAGER

[203—History of economics to Adam Smith. 2 hours. Professor SELIGMAN]

[204—History of economics since Adam Smith. 2 hours. Professor SELIGMAN]

206—Economic theory. Conditions of economic progress. 2 hours. Professor CLARK

207—Business cycles. 2 hours. Professor MITCHELL

208—Types of economic theory. 2 hours. Professor MITCHELL

209—Principles and methods of statistics. 2 hours. Professor CHADDOCK

210—Social statistics. 2 hours. Professor CHADDOCK

211–212—Economic theory. 4 hours. Professor H. L. MOORE

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor SIMKHOVITCH

301—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and SEAGER

302—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and SEAGER

303—Seminar in political economy and finance. 2 hours. Professors SIMKHOVITCH and MITCHELL

304—Seminar in political economy and finance. 2 hours. Professors SIMKHOVITCH and MITCHELL

Economics 161–162 (e161–162)—Corporation finance. 4 hours. Dr. STEVENS **Applied Economics**

Economics 163 (e163)—The principles of money and banking. 2 hours. Professor AGGER

Economics 164 (e164)—Banking organization and foreign exchange. 2 hours. Professor AGGER

Economics 165–166 (e165–166)—Business and social statistics. 4 hours. Professor CHADDOCK

Economics 171–172 (71–72 and e171–172)—Principles of accounting. 4 hours. (4 points.) Professor MONTGOMERY

Economics 182 (e182)—Principles of insurance. 2 hours. Mr. HUNTER

Economics 183 (e183)—Development of railroad transportation. 2 hours. Dr. HUEBNER

Economics 184 (e184)—Development of water transportation. 2 hours. Dr. HUEBNER

Economics 191–192 (e191–192)—The psychology of advertising. 4 hours. Dr. HOLLINGWORTH

Economics 193–194 (e193–194)—Business organization and administration. Seminar and research course. 4 hours. Dr. STEVENS

es1—Elementary bookkeeping. 2 points. Mr. KOOPMAN **Summer Session**

es3—Principles of business administration. 2 points. Professor ROBINSON

es115—Advertising. 2 points. Mr. HUBBART

s3—General accounting. 2 points. Mr. KOOPMAN

s1—Introduction to economics. 3 points. Professor AGGER

s106—Industrial combinations and trusts. Half. Dr. STEVENS

s110—Economic and social reform. Half. Professor ROBINSON

s112—Money and banking. Half. Professor AGGER

s120—Corporation finance. Half. Dr. STEVENS

s125—The classical economists. Half. Professor JOHNSON

s205—Value and distribution. Half. Professor JOHNSON

s207—Principles and methods of statistics. Half. Professor CHADDOCK

s210—Standard of living and public health. Half. Professor CHADDOCK

e1–2—Elementary bookkeeping. 3 points. Mr. BALTZ and Mr. HUGHES **Extension**

e1*a*—Advanced bookkeeping. 3 points. Mr. HUGHES

e2*a*—Elementary bookkeeping. 3 points. Mr. HUGHES

e3–4—Principles of accounting. 4 points. Mr. KOOPMAN

e5–6—Practical accounting. 4 points. Mr. Boyce

e7—Cost accounting. Principles and theory. 2 points. Mr. Nicholson

e8—Cost accounting. Practice and practical cost accounting. 2 points. Mr. Nicholson

e9–10—Auditing and practice accounting problems. 4 points. Professor Montgomery

e12—Cost accounting. 2 points. Mr. Waffle

Economics e1–2—Principles of economics. 3 points. Dr. Haig

e3–4—Business organization and administration. 4 points. Dr. Stevens

e5–6—Commercial geography. 4 points. Professor McFarlane

Economics e13–14—Railway traffic and rates. 4 points. Dr. Huebner

e15–16—Practical advertising. 4 points. Mr. Hubbart

e17—Salesmanship. 2 points. Mr. Hubbart

e1–2—Corporation finance. 4 points. Dr. Stevens

Economics e3–4—Money and banking. 4 points. Professor Agger

e9–10—Investments. 4 points. Mr. Lownhaupt

e161–162—Corporation finance. 4 hours. Dr. Stevens

Sociology

8—Epochs in social evolution. 2 hours. Mr. Shenton

103—Modern social problems. 2 hours. Professor Chaddock

151—Principles of sociology, analytical: theories of social organization and progress. 2 hours. Professor Tenney

152—Principles of sociology, descriptive: problems of social organization and progress in America. 2 hours. Professor Tenney

209—Principles and methods of statistics. 2 hours. Professor Chaddock

210—Social statistics. 2 hours. Professor Chaddock

255—Social evolution: ethnic and civil origins. 2 hours. Professor Giddings

256—Social evolution: civilization, liberty, and democracy. 2 hours. Professor Giddings

257—The evolution of progressive society. 2 hours. Professor Giddings

258—The theory of social evolution. 2 hours. Professor Giddings

313—General seminar. Observational Sociology. 2 hours. Professor Giddings

314—General seminar. Observational Sociology. 2 hours. Professor Giddings

315—Seminar in modern social problems. 2 hours. Professor Tenney

316—Seminar in modern social problems. Professor Tenney

317–318—Advanced seminar. Problems and methods of sociological research. Dissertations in preparation. 4 hours. Professor Giddings

es101—Descriptive sociology. Lectures, readings and papers. Full course. Dr. Slosson

s102—Principles of inductive sociology. Full course. Professor Giddings

s311—General. Problems and methods. Full course. Professor Giddings **Summer**

s315—Seminar. Descriptive sociology. 2 hours. Dr. Slosson

e141—Social problems: population and population movements. 2 hours. Mr. Shenton **Extension**

e142—Social problems: social betterment. 2 hours. Mr. Shenton

e143—Social institutions: institutions of component society. 2 hours. Mr. Shenton

e144—Social institutions: institutions of constituent society. 2 hours. Mr. Shenton

e150—The modern world. Lectures, reading and reports. 2 hours. Dr. Slosson

e151—Principles of sociology. Lectures, readings, discussions and exercises. 2 hours. Mr. Shenton

e152—Historical evolution of society. Lectures, readings and discussions. 2 hours. Mr. Shenton

e161–162—History of social reform in the United States. 2 hours. Dr. Levine

285–286—Principles and methods of social work. 4 hours. Professor Devine **Social Economy**

287—Social Legislation III: Humane legislation. 2 hours. Professor Lindsay

288—Social Legislation IV: Methods and tendencies in law-making. 2 hours. Professor Lindsay

*291–292—History and development of social work. 4 hours. Professors Devine and Lindsay

*293–294—Principles and technique of social work. 4 hours. Mr. Lee and Mr. Thurston

*295—Modern industrial conditions standards and problems. 2 hours. Miss Van Kleeck

*296—Modern industrial conditions: workers and the law. 2 hours. Professor Lindsay

*297–298—Statistics in social work. 4 hours. Miss Claghorn

321–322—Seminar. 4 hours. Professors Devine and Lindsay

323–324—Advanced Seminar. 4 hours. Professors Devine and Lindsay

Attention is also called to the following related courses.

101–Introduction to anthropology. 2 hours. Professor Boas.

102—Methods of anthropological research. 2 hours. Professor Boas

*Given at the New York School of Philanthropy.

107A—Educational sociology. Social theory of education. 2 hours Professor SUZZALLO

107B—Educational sociology. The school and the vacation. 2 hours. Professor SUZZALLO

108A—Educational sociology. Social interpretations of educative methods. 2 hours. Professor SUZZALLO

108B—Educational sociology. The social basis of school systems. 2 hours. Professor SUZZALLO

133–134—Ethnography of America and Siberia. 2 hours. Dr. GOLDENWEISER

138—General ethnology, technology and primitive art. 3 hours. Dr. GOLDENWEISER

139—General ethnology. Types of primitive religion and mythology. 3 hours. Dr. GOLDENWEISER.

207–208—Educational sociology—Advanced courses: the public school and democracy. 2 hours. Professor SUZZALLO

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Equipment

Students of economics and social science will find in New York unrivaled library facilities. In addition to the University Library, there are the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the New York School of Philanthropy, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy which contains an important collection of works on earlier economies.

The facilities offered to students of sociology and social economy include a large library of general and special works, on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor Chaddock, is equipped with the Hollerith tabulating machines, comptometers, and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

EDUCATION

See introductory paragraphs, page 71

The School of Education of Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms.

A full statement of the nature of each of the following courses, the work prerequisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning nearly 200 semi-professional courses offered by the School of Education and the School of Practical Arts of Teachers College, but not listed here, will be found in the current edition of the Announcements of the Schools of Education and Practical Arts of Teachers College.

Educational Administration

111–112—Organization and administration of school systems. 2 hours. Professor STRAYER

112A—Organization and administration of school systems. 2 hours. Professor STRAYER and Mr. TRABUE

115–116—Educational administration—composite course. Professor STRAYER, in co-operation with specialists

215–216—Practicum. Administration of public education in the United States. 2 hours. Professor STRAYER

311–312—Seminar. Educational administration. Dean RUSSELL and Professor STRAYER

U1—Taxation for public education. Short unit course.[1] Dr. ROBERT M. HAIG

U2—Municipal administration in relation to school administration. Short unit course.[1] Professor HOWARD L. MCBAIN

U3—The making of school budgets. Short unit course.[1] Dr. F. A. CLEVELAND

U4—School buildings and their equipment. Short unit course.[1] Mr. ERNEST F. GUILBERT

U5—School health administration. Short unit course.[1] Professors WOOD and NUTTING

U13—The administration of institutions for the training of teachers. Short unit course.[1] Dean RUSSELL

U41—Administrative problems peculiar to the secondary school. Short unit course.[1] Professor STRAYER

Comparative Education

113–114—Comparative education—foreign school systems. 2 hours. Professor FARRINGTON

113A—Vocational education in Europe—administration and social basis. 2 hours. Professor FARRINGTON

[1] For explanation of short unit courses see Announcement of the School of Education for 1914–15.

128A—Comparative secondary education. 2 hours. Professor SACHS

213–214—Practicum. Comparative education. 2 hours. Professor FARRINGTON

313–314—Seminar. Comparative education. Dean RUSSELL and Professor FARRINGTON

U76—Elementary education in France, Germany, and England. Short unit course.[1] Professor FARRINGTON

Elementary Education

2—Principles of teaching. For students in fine arts, household arts, and industrial arts. 4 hours. Professor BONSER and Dr. HORN

91–92—Plays and festivals. 2 hours. Professors FARNSWORTH, WOOD, DOW, LATHAM, ABBOTT, and Miss BEEGLE

131–132—Teaching of special subjects in elementary schools. 2 hours. Professors HILLEGAS, BAKER, DODGE, UPTON, FARNSWORTH, BIGELOW, and JOHNSON

131A–132A—The teaching of geography in elementary schools. 1 hour. Miss KIRCHWEY

[131B–132B—The teaching of mathematics in elementary schools. Lectures and discussions. Half-course. Professor UPTON]

131C—The supervision of history in elementary schools. 2 hours. Professor JOHNSON

133—Criticism and supervision of instruction in the elementary school. 2 hours. Professor MCMURRY

134—The theory and practice of teaching in the elementary school. 2 hours. Professor HILLEGAS

135–136—Elementary education—Composite course. Professor HILLEGAS in co-operation with specialists

141–142—The unification of the kindergarten and the primary school. 2 hours. Miss MOORE

231—Criticism and supervision of instruction in the elementary school. 3 hours. Professor MCMURRY

233–234—Practicum—Elementary education. 2 hours. Professor HILLEGAS and Dr. HORN

333–334—Seminar. Elementary education. Professors HILLEGAS and MCMURRY

65–66—The teaching of speech. 2 hours. Professor LATHAM and assistant

65A—1 hour. Practical work supplementary to Education 65–66

154B—Teaching of nature-study. 2 hours. Professors BIGELOW and BROADHURST

163–164—Theory and practice of teaching art. 2 hours. Professor DOW and Miss BRADISH

163*a*–164*a*—Supervision of fine arts. 2 hours. Professor DOW

81–82—The teaching of school music. 2 hours. Professor FARNSWORTH and Miss LATHAM

81A—Vocal and instrumental music for the kindergarten. 2 hours. Mr. CADY

83—Theory and practice of music education for elementary students of piano. 2 hours. Mr. CADY

84—Theory and practice of music education for advanced students of piano. 2 hours. Mr. CADY

181–182—Supervision of school music. 2 hours. Professor FARNSWORTH

281–282—Practicum in the teaching of school music. Professor FARNSWORTH

183–184—Educational hygiene. 3 hours. Professor WOOD

187–188—Hygiene of childhood and adolescence. 2 hours. Professor WOOD

189–190—The teaching of physical education. 2 hours. Professor WOOD

193–194—Dramatic expression in physical education. 2 hours. Miss COLBY, Madame ALBERTI and Professor WILLIAMS

195—Health problems and physical education. Professor WOOD

197–198—Play and playgrounds. 2 hours. Mr. JOHNSON

U61—The teaching of geography in the elementary school. Short unit course.[1] Professor DODGE

U62—The teaching of arithmetic in the elementary school Short unit course.[1] Professor UPTON

U63—Teaching of English literature and language in the elementary school. Short unit course.[1] Professor BAKER

U64—Educational principles applied to the teaching of music in the elementary school. Short unit course.[1] Professor FARNSWORTH

U65—The teaching of history in the elementary school. Short unit course.[1] Professor JOHNSON

U66—The principles and methods of teaching nature-study. Short unit course.[1] Professor BIGELOW

U71—The teacher's responsibilities outside of instruction. Short unit course.[1] Professor MCMURRY

U72—Differentiated courses in upper elementary grades. Short unit course.[1] Professor HILLEGAS

U84—Methods of supervising teachers. Short unit course.[1] Professor PEARSON

History of Education

B—History of education with special reference to elementary school problems. 3 hours. Professor GOODSELL

B2—History of education, with special reference to practical arts education. 2 hours. Professors MONROE and GOODSELL

Bc—Principles of education. Last third of Education B, described above. 1 hour. Professor KILPATRICK

[1] For explanation of short unit courses see Announcement of the School of Education for 1914–15.

102—Education of women. Its history and present problems. 2 hours. Professor GOODSELL

103–104—Modern educational theorists. 2 hours. Professor KILPATRICK

201–202—History of education. 2 hours. Professor MONROE

201B—History of secondary education. 2 hours. Dr. KANDEL

203–204—Practicum. 2 hours. Professor MONROE

[203A–204A—Practicum—History of education in England. Professor MONROE]

203B–204B—History of education in the United States. 2 hours. Professor MONROE

303–304—Seminar—The historical foundations of modern education. Professor MONROE

Kindergarten

141–142—The unification of the kindergarten and the primary school, with comparison of aims, principles, methods, and subject-matter. 2 hours. Miss MOORE

143–144—The home and the conservation of childhood. 2 hours. Miss ATKINSON

145*a*–146*a*—Criticism and supervision of curricula and teaching in kindergarten. 3 hours. Professor HILL and Miss MOORE

145*b*–146*b*—Kindergarten curricula and methods of teaching. 3 hours. Professor HILL and Miss BROWN

145*c*–146*c*—Education of infancy and early childhood. 3 hours. Miss SMITH and Miss GARRISON

245–246—Practicum. Current problems in the supervision of kindergartens and the training of kindergarten teachers. 2 hours. Professor HILL

U85—The essentials of kindergarten practice. Short unit course.[1] Professor HILL and Miss MOORE

Eight other introductory courses in kindergarten are also given.

Philosophy of Education

105–106—Philosophy of education. Introductory course. 2 hours. Professor KILPATRICK

109A—Logic as applied to problems of teaching. 2 hours. Professor DEWEY

[109B—Social life and the school curriculum. Professor DEWEY]

205–206—Practicum. Philosophy of education. Advanced course. 2 hours. Professor MACVANNEL

210—Practicum. Historical relations of philosophy and education. 2 hours. Professor DEWEY

305–306—Seminar. Philosophy of education. Professors DEWEY and MACVANNEL

Educational Psychology

A2—Elements of psychology for teachers. 4 hours. Professors THORNDIKE, NORSWORTHY, RUGER, WHITLEY and Miss COY

[1] For explanation of short unit courses, see Announcement of the School of Education for 1914–1915.

19—Applications of psychology to teaching. 2 hours. Professor WHITLEY

117–118—Applications of experimental and physiological psychology to education. 2 hours. Professor RUGER

119—Educational psychology. 3 hours. Professor NORSWORTHY

120A—Psychology of the elementary school subjects. 2 hours. Professor THORNDIKE

120B—Psychology of the secondary school subjects. 2 hours. Professor RUGER

120C—Applications of analytic and genetic psychology to education. 2 hours. Professor NORSWORTHY

121–122—Psychology of childhood. 2 hours. Professors NORSWORTHY and WHITLEY

123–124—Psychology and treatment of exceptional children. 3 hours. Professor NORSWORTHY and Dr. BISCH

123A–124A—Psychology and treatment of exceptional children. Advanced course. 2 hours. Dr. BISCH

220—The mathematics of statistics. 3 hours. Professor GROVE

221–222—Educational psychology—advanced course. 2 hours. Professor THORNDIKE

223–224—Practicum. Application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321–322—Seminar—Educational psychology. Professors THORNDIKE, NORSWORTHY, and RUGER

323—The mathematical theory of statistics. Advanced course. Professor GROVE

U75—The essentials of mental and physical measurements as applied to studies in child psychology. Short unit course.[1] Professor NORSWORTHY

Religious Education

147—The problems of foreign missionary education. 2 hours. Dr. SAILER

247–248—Practicum. Special problems in missionary education. 2 hours. Dr. SAILER

Biblical literature 149—The religion of the Old Testament. 2 hours. Professor BEWER

Biblical literature 150—The religion of the New Testament. 2 hours. Professor BEWER

151C–152C—The teaching of religion. 2 hours. Professor COE and Miss TALLMAN

151D–152D—The curriculum of the Sunday-school. 1 hour. Miss TALLMAN

151E–152E—Practice in Sunday-school teaching. 1 hour. Miss TALLMAN

[1] For explanation of short unit courses, see Announcement of School of Education for 1914–15.

Rural Education

134A—Supervision and administration of rural schools. 2 hours. Professor BONSER

137—The rural school curriculum. 2 hours. Professor DODGE

159–160—Rural sociology. Lectures, discussions, and reports. 2 hours. Dr. WILSON

178C—Teaching of agriculture in secondary schools. 2 hours. Professor MORGAN

237–238—Practicum in rural school education. Professor DODGE

259–260—Practicum in rural sociology. 2 hours. Dr. WILSON

Educational Sociology

107A—Social theory of education. 2 hours. Professor SUZZALLO

107B—The school and the vocation. 2 hours. Professor SUZZALLO

108A—Social interpretations of educative methods. 2 hours. Professor SUZZALLO

108B—The social bases of school systems. 2 hours. Professor SUZZALLO

207–208—Practicum. Educational sociology. Advanced course. The public school and democracy. 2 hours. Professor SUZZALLO

307–308—Seminar. Sociology of education. Professor SUZZALLO

Secondary Education

125–126—Conduct of the recitation in secondary schools. 3 hours. Professors STEVENS and SACHS

125B–126B—Theory and practice of teaching in secondary schools. 2 hours. Dr. BRIGGS

126A—Conduct of the recitation in secondary schools. 3 hours. Professor STEVENS

226B—Organization and administration of the junior high school. 2 hours. Dr. BRIGGS

127–128—Secondary education—composite course. Professor STEVENS, in co-operation with specialists

128A—Comparative secondary education. 2 hours. Professor SACHS

129–130—Methods in special subjects. 2 hours. Professor SACHS and the professors of the special subjects in secondary education

225–226—Supervision of instruction in secondary schools. 2 hours. Professors SACHS and STEVENS

227–228—Social principles and practice in secondary education. 2 hours. Professor STEVENS

229–230—Practicum in secondary education. 2 hours. Professor SACHS and Dr. BRIGGS

325–326—Seminar in secondary education. Professor SACHS

153–154—Teaching of biological sciences in secondary schools. 2 hours. Professors BIGELOW and BROADHURST

153A—Biology as related to education. 2 hours. Professor BIGELOW

154B—Teaching of nature-study. 2 hours. Professors BIGELOW and BROADHURST

253–254—Practicum in teaching biological sciences in secondary and normal schools. Professor BIGELOW

161–162—The teaching of English in secondary schools. 2 hours. Professor BAKER

261–262—Practicum in the teaching of English in secondary schools. 2 hours. Professor BAKER

263—The college teaching of English. 2 hours. Professor BALDWIN

167–168—The teaching of geography in secondary schools. 2 hours. Professor DODGE and Miss KIRCHWEY

167A—Problems in normal school geography teaching. 1 hour. Professor DODGE

267–268—Practicum in geography. Professor DODGE

169–170—The teaching of German in secondary schools. 2 hours. Professor BAGSTER-COLLINS

269–270—Practicum in German. 2 hours. Professor BAGSTER-COLLINS

173–174—The teaching of history in secondary schools. 2 hours. Professor JOHNSON

174A—The teaching of history in normal schools. 2 hours. Professor JOHNSON

273–274—Practicum in history. 2 hours. Professor JOHNSON

175–176—The teaching of Latin in secondary schools. 2 hours. Professor LODGE

275–276—Practicum in Latin—Caesar and Vergil. 2 hours. Professor LODGE

375–376—Problems in Latin syntax. Professor LODGE

179–180—The teaching of mathematics in secondary schools. 2 hours. Mr. BRECKENRIDGE

[179A–180A—The teaching of applied mathematics. Mr. BRECKENRIDGE]

279–280—Practicum in the teaching of mathematics. 2 hours. Professor UPTON

[379–380—Seminar in the teaching of mathematics. Professor SMITH]

81–82—The teaching of school music. 2 hours. Professor FARNSWORTH and Miss LATHAM

83—Theory and practice of music education for elementary students of piano. 2 hours. Mr. CADY

84—Theory and practice of music education for advanced students of piano. 2 hours. Mr. CADY

181–182—Supervision of school music. 2 hours. Professor FARNSWORTH

281–282—Practicum in the teaching of school music. Professor FARNSWORTH

Education 91–92—plays and festivals. 2 hours. Professors FARNSWORTH, WOOD, DOW, LATHAM, ABBOTT, and Miss BEEGLE

183–184—Educational hygiene. 2 hours. Professor WOOD

187–188—Hygiene of childhood and adolescence. 2 hours. Professor WOOD

189–190—Teaching of hygiene and physical education. 2 hours. Professor WOOD and assistants

193–194—Dramatic expression in physical education. 2 hours. Miss COLBY, Madame ALBERTI and Professor WILLIAMS

195—Health problems and physical education. Professor WOOD

289–290—Practicum in hygiene and physical education. Professor WOOD

191–192—The teaching of physical science in secondary schools. Chemistry and physics. 2 hours. Professor WOODHULL

291–292—Practicum in physical science. Professor WOODHULL

391–392—Seminar in the history and teaching of physical science. Professor WOODHULL

U5—School health administration. Short unit course.[1] Professors WOOD and NUTTING

U31—The teaching of mathematics in the secondary school. Short unit course.[1] Professor UPTON and Mr. BRECKENRIDGE

U32—The teaching of sciences in the secondary school. Short unit course.[1] Professors WOODHULL, BIGELOW and DODGE

U34—The teaching of English language and literature in the secondary school Short unit course.[1] Professors SACHS and BAKER

U35—The teaching of history in the secondary school. Short unit course.[1] Professors SACHS and JOHNSON

U36—The teaching of foreign languages in the secondary school. Short unit course.[1] Professors SACHS, LODGE and BAGSTER-COLLINS

U42—Health problems and physical education. Short unit course.[1] Professor WOOD

U46—School discipline in relation to social and moral problems. Short unit course.[1] Dean RUSSELL, Professors NORSWORTHY and STEVENS

U74—Sex hygiene. Short unit course.[1] Professor BIGELOW

Technical Education

155–156—Teaching of household arts in schools. 3 hours. Professors KINNE, COOLEY, and WINCHELL and Miss SPOHR

157–158—Supervision in the household arts. Professors KINNE and COOLEY

255–256—Organization and teaching of household arts in normal schools and colleges. 2 hours. Professors KINNE, COOLEY, and other lecturers

255A–256A—Practice teaching in household arts. Professors VAN ARSDALE, KINNE, FALES, COOLEY and Miss GUNTHER

257–258—Practicum in household arts. Professors KINNE and COOLEY

177–178—Industrial arts for the elementary grades. 4 hours. Miss PATRICK

177*d*–178*d*—Industrial arts for the elementary grades. 3 hours. Miss PATRICK

[1] For explanation of short unit courses, see Announcement of the School of Education for 1914–15.

177A–178A—Teaching industrial arts in elementary schools. 2 hours. Professor BONSER

177B–178B—Teaching industrial arts in secondary and vocational schools. 2 hours. Professors BONSER, NOYES, SLEFFEL and WEICK

178C—Teaching agriculture in secondary and vocational schools. 2 hours. Professor MORGAN

277–278—Practicum in industrial education. 2 hours. Professor BONSER

Sp. 77—Teaching industrial subjects in vocational and trade schools. 4 hours. Mr. CONSTANTINE, and Professors NOYES, SLEFFEL, WEICK, and BONSER

85—Teaching of nursing principles and methods. 2 hours. Miss STEWART

86—Organization and administration in public health nursing. 1 hour. Miss WALD, Miss CRANDALL and other lecturers

185—Teaching in schools of nursing. 2 hours. Miss STEWART

185A—Observation and practice work. Miss STEWART

186—Administration in schools of nursing. 2 hours. Professors NUTTING and GOODRICH

186A—State relation to nurses' education. 2 hours. Professor GOODRICH

285—Practicum in nursing. 2 hours. Professor NUTTING

U6—The administration of vocational education. Short unit course.[1] Mr. CHARLES A. PROSSER

U33—The teaching of industrial and household arts in the secondary school. Short unit course.[1] Professors BONSER, KINNE, and COOLEY

U73—Industrial art in the elementary school. Short unit course.[1] Professor BONSER

ELECTRICAL ENGINEERING

See introductory paragraphs, page 71

Professor: SLICHTER (*Executive Officer*)
Assistant Professors: ARENDT, MORECROFT
Instructors: HEHRE, MASON
Assistants: HAMILTON, HILL, PARKER, COOPER

Professors M. I. PUPIN and A. P. WILLS of the Department of Physics give instruction in electro-mechanics to the Electrical Engineering students. See the statement of the Department of Physics.

2—Elements of dynamo-electric machinery. 2 hours. Professors ARENDT and MORECROFT and Mr. HEHRE

4—Electric distribution, for Civil, Mechanical, Mining, and Metallurgical Engineering students. 2 hours. Professor SLICHTER

[1] For explanation of short unit courses, see Announcement of School of Education for 1914–15.

5—Alternating current engineering. 105 abridged. 1 hour. Professor ARENDT

52—Design of direct-current machinery. 2 hours and 1 afternoon Professor ARENDT

54—Design of alternating-current machinery. 2 hours and 1 afternoon. Professor SLICHTER

72—Direct-current laboratory—Short course for students in Mining, Civil, Metallurgical, Sanitary, and Chemical Engineering. 1 hour and 1 afternoon. Messrs. HEHRE, MASON, and Assistants

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 hour and 1 afternoon. With 101, half course. Mr. HEHRE and Assistants

75—Alternating-current laboratory—Short course for students in Mining, Metallurgical, and Civil Engineering. 1 hour and 1 afternoon. With 5, half course. Professor MORECROFT and Messrs. HEHRE, MASON, and Assistants

76—Alternating-current laboratory. Same as E. E. 75. For students in Mechanical Engineering. 1 hour and 1 afternoon. Professor MORECROFT and Messrs. HEHRE, MASON, and Assistants

98—Thesis—Original work and report on a subject approved by the head of the department. Optional

101—Generator and motor practice—Principles, construction, operation, and testing. 1 hour. Professor SLICHTER

103—Electric motor—Electric motors, their action, control, and application. 3 hours. Half course. Professor ARENDT

103A—Electric motors—103 abridged for Mechanical Engineering students. 2 hours. Professor ARENDT

104—Electric distribution—Principles and methods of transmitting and distributing direct and alternating currents. 3 hours. Half course. Professor ARENDT

105—Alternating-current engineering. 3 hours. Half course. Professor SLICHTER

105A—Alternating-current engineering—105 abridged for Mechanical Engineering students. 2 hours. With 103A, half course. Professor ARENDT

106—Electric plants—Operation, organization, and administration 2 hours. Professors SLICHTER and ARENDT and special lecturers

108—Plant inspection. 3 hours. Professors SLICHTER and ARENDT

109–110—Telegraphy and telephony. 1 hour. Professor ARENDT

112—Electric railways—Their design, installation, and operation. 2 hours. Half course. Professor SLICHTER

112A—Electric railway—For students in Civil Engineering. 2 hours. Professor SLICHTER

173–174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and

motors. 2 hours and 2 afternoons first term. 1 hour and 1 day second term. With 101, double course. Mr. Hehre and Assistants

175–176—Alternating current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 1 hour and 1 day. Double course. Professor Morecroft.

177—Instrument laboratory, electrical measurements, calibration of instruments, storage-battery testing, photometry and illumination. 1 hour and 2 afternoons. Full course. Mr. Mason

For Mechanics 107, 108, 109, 110, see Physics, page 176

Summer

s1—Elements of electrical engineering. 1 hour. Mr. Hehre

s2—Elements of dynamo-electric machinery. 5 hours. Professor Slichter. (First three weeks)

s4—Principles of electrical distribution. 5 hours. Professor Slichter. (Second three weeks)

Extension

e1—Elements of dynamo-electric machinery. 2 evenings a week first term. Mr. Hamilton

e2—Principles of electrical distribution. 2 evenings a week second term. Mr. Hamilton

e3—Alternating-current engineering. 2 evenings a week first term. Mr. Hehre

e4—Alternating-current engineering. 2 evenings a week second term. Mr. Hehre

The following special courses are given to Naval Officers pursuing graduate work at Columbia and not open to others:

E.E. 73N—D.C. Laboratory
102N—Electric motors
105N—Alternating currents
105AN—Alternating currents
109–110N—Telegraph and telephone
153–154N—Design of electrical machinery
173N—D.C. Laboratory
176N—A.C. Laboratory
177N—Instrument laboratory
201–202N—Seminar
211–212N—Radio laboratory

Equipment

The offices, laboratories, museums, and lecture-rooms of the Electrical Engineering Department are in the Engineering Building.

The laboratories located in the basement contain direct and alternating-current machinery and apparatus. The various machines in these laboratories are, respectively, examples of constant-potential generators, constant-current arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, transmission and adsorption dynamometers are available for testing the various generators and motors.

The alternating-current apparatus includes single-phase and polyphase generators, induction and synchronous motors, rotary converters, mercury arc rectifiers, and various types and sizes of transformers. Test boards and complete sets of alternating-current measuring instruments and curve-tracing apparatus, such as an oscillograph and ondograph, are also provided.

The lecture-rooms are provided with an ample supply of electrical currents of different forms, and other facilities for experimental demonstrations. The museum contains collections of apparatus, models, and materials relating to electrical engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells and resistances, measuring apparatus, laboratory standard volt and ammeters, as well as the high-tension testing sets. A storage battery is provided for testing, calibration, and standardization purposes.

The photometric laboratory of this department is equipped with various forms of photometers for gas, arc, and incandescent lamp testing.

The library of the department is located on the ground floor of the Engineering Building and contains a carefully selected number of books and periodicals which are in frequent use as references while the main library contains books that are less frequently in demand.

ENGLISH AND COMPARATIVE LITERATURE

See introductory paragraphs, page 71

Professors: BAKER, BALDWIN, BREWSTER, CUNLIFFE, FLETCHER, GILDERSLEEVE, KRAPP, MATTHEWS, ODELL, THORNDIKE (A. H.) (*Executive Officer*), and TRENT

Associate Professors: ERSKINE, HUBBARD, and LAWRENCE

Assistant Professors: ABBOTT, AYRES, PATTERSON, STEEVES, TASSIN, VAN DOREN and WRIGHT

Associate: WEEKS (M. F.)

Instructors: COLBY, COOK, DANA, HALLER, HOWARD, LATHAM, LOMER OSBORNE, STURTEVANT (E.) and TAYLOR

Lecturers: DAVIS (E.), FANSLER and LATHAM

Extension: CLARK, COHEN, DOW, DUNCAN, FANSLER, Mrs., GASTON, HALL, HAMILTON, HUGHES, MITCHELL, PATTERSON (S. W.), TAYLOR, TUCKER, WILLIAMS, WOLFF

A—English composition. 3 hours. Professors ODELL, STEEVES, WRIGHT, VAN DOREN, Dr. DANA, Dr. FANSLER, Mr. OSBORNE and Mr. COLBY (Columbia College); Professor BALDWIN, Miss WEEKS, Mr. HALLER, Dr. HOWARD, Miss STURTEVANT, and Miss M. W. LATHAM (Barnard College)

A1–A2—A course in writing. Dr. LOMER

B—(Columbia College)

B1–B2—Composition. 2 hours. Professor ERSKINE

B3–B4—Introduction to English literature 3 hours. Professor ERSKINE

B5–B6—English poetry. 2 hours. Dr. DANA and Mr. OSBORNE

B7–B8—English prose. 2 hours. Mr. OSBORNE and Mr. COLBY

B—(Barnard College)

B1–B2—Epic, romance, and drama. 3 hours. Professor HUBBARD and Miss STURTEVANT

B3–B4—Essay and poetry. 3 hours. Mr. HALLER and Dr. HOWARD

B5–B6—Survey of English literature. 3 hours. Miss M. W. LATHAM

B7–B8—Composition. 3 hours. Miss STURTEVANT

B9–B10—Journalistic writing. 3 hours. Dr. HOWARD

B—(School of Journalism)

jB1–B2—A general survey of English literature up to the present time. Dr. LOMER.

1–2—English composition. 3 hours. Professor TASSIN (Columbia); Professor BREWSTER (Barnard)

3–4—Composition. 3 hours. Professor BALDWIN (Barnard)

7–8—Elocution. 3 hours. Professor TASSIN (Columbia and Barnard)

11–12—Public speaking. 3 hours. Professor TASSIN (Columbia)

15–16—English versification. 2 hours. Professor BRANDER MATTHEWS (Columbia)

17–18—English modern literature. 2 hours. Professor STEEVES (Columbia)

19–20—American literature. 2 hours. Professor BRANDER MATTHEWS (Columbia); Professor BAKER (Barnard)

21–22—English literature from 1780 to 1830. 3 hours. Professor ODELL (Columbia)

23–24—English literature from 1830 to 1890. 3 hours. Professor VAN DOREN (Columbia); Professor HUBBARD (Barnard)

25–26—English literature from 1557 to 1660. 3 hours. Professor ERSKINE (Columbia); Professor TRENT (Barnard)

(Courses 25–26 and 27–28 are given in alternate years)

Conference Course. For qualified students in English 25–26, History 71–72 and Philosophy 61–62 (Columbia)

27–28—English literature from 1660 to 1780. 3 hours. Professor VAN DOREN (Columbia); Professor TRENT (Barnard)

29–30—English literature from the earliest period to the Norman conquest. 3 hours. Professor AYRES (Columbia); Professor KRAPP (Barnard)

(Courses 27–28 and 29–30 are not given at Columbia in 1914–15)

31–32—English literature from the Norman conquest to 1557. 3 hours. Professor AYRES (Columbia); Professor BALDWIN (Barnard)

35–36—Shakespeare. 2 hours. Professor LAWRENCE (Columbia); 3 hours. Professor WRIGHT (Barnard)

37–38—English prose, including fiction. 2 hours. Professor BREWSTER (Barnard)

[39–40—The development of English fiction. 2 hours. Professor BRANDER MATTHEWS (Columbia)]

41–42—The development of the English drama. 2 hours. Professor ODELL (Columbia)

45–46—English literary criticism. 2 hours. Professor HUBBARD (Barnard)

203—The college teaching of composition. 2 hours. Professor BALDWIN

[205—Principles of English usage. 2 hours. Professor KRAPP]

207–208—History of the English language. 2 hours. Professor KRAPP

[212—English sounds. A course in the phonetic history of the language. 2 hours. Professor KRAPP]

[213—Historical English grammar. 2 hours. Professor KRAPP]

215—Anglo-Saxon prose. 2 hours. Professor AYRES

[216—Caedmon and Cynewulf. 2 hours. Professor LAWRENCE]

218—Beowulf. 2 hours. Professor LAWRENCE

219–220—Middle English language and literature. 2 hours. Professor AYRES

[222—History of Anglo-Saxon literature. 2 hours. Professor AYRES]

227–228—Chaucer. 2 hours. Professor LAWRENCE

230—Spenser. 2 hours. Professor FLETCHER

231–232—English literature in the seventeenth century. 2 hours. Professor TRENT

[233–234—English literature in the eighteenth century. 2 hours. Professor TRENT]

(Courses 231–232 and 233–234 are given in alternate years.)

[235–236—English literature in the first half of the nineteenth century. 2 hours. Professor THORNDIKE]

237–238—English literature, 1832–1880. 2 hours. Professor THORNDIKE

243–244—Shakespeare as a playwright. 2 hours. Professor BRANDER MATTHEWS

[247–248—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS]

251–252—The English drama from the beginning to 1642. 2 hours. Professor THORNDIKE

[253–254—Textual criticism of Shakespeare's plays. 2 hours. Professors THORNDIKE and WRIGHT]

[258—The English lyric in the sixteenth and seventeenth centuries. 2 hours. Professor ERSKINE]

259–260—Elizabethan prose. 2 hours. Professor KRAPP

261–262—English prose in the eighteenth century. 2 hours. Professors VAN DOREN and WRIGHT

[263–264—English prose in the nineteenth century. 2 hours. Professor ODELL]

267–268—American literature. 2 hours. Professor ERSKINE

269–270—English literary criticism. 2 hours. Professor BREWSTER

301–302—Seminar—Studies in Shakespeare. 2 hours. Professor THORNDIKE

305–306—Seminar—Studies in the Queen Anne period. 2 hours. Professor TRENT

307—Seminar—Piers Plowman. 2 hours. Professor KRAPP

309–310—Seminar—Discussion of dissertations. Professors TRENT, FLETCHER, THORNDIKE, KRAPP, LAWRENCE, AYRES, and WRIGHT

A—Composition and English literature. 3 hours. Professor ABBOTT, Dr. COOK, Miss DILLER, and Mr. WYLIE

B—Composition and literature. 3 hours. Professor ABBOTT, Dr. COOK, Miss HILL, Miss PURVIS and Miss PATRICK

55–56—Literature for the kindergarten and primary grades. 2 hours. Miss MOORE

55*a*–56*a*—Half of above course. 1 hour. Miss MOORE

71–72—Nineteenth century writers. 2 hours. Professor BAKER and Miss HILL

75–76—Typical forms of literature. 2 hours. Professor ABBOTT and Miss DILLER

77–78—American literature. 2 hours. Dr. COOK

272—Development of rhetorical theory. 2 hours. Professor BALDWIN

273–274—Medieval literature: Romances. 2 hours. Professor LAWRENCE

275–276—Dante and medieval culture. 2 hours. Professor FLETCHER

277—The medieval lyric. 2 hours. Professor PATTERSON

281–282—The Renaissance in Europe: Introductory course. 2 hours. Professor FLETCHER

283–284—Classical influences in Elizabethan literature. 2 hours. Professor AYRES

285–286—Classicism in the seventeenth and eighteenth centuries. 2 hours. Dr. DANA and Professor VAN DOREN

287–288—The romantic movement. 2 hours. Professor WRIGHT

[291–292—The development of the drama from the Greeks to the middle ages. 2 hours. Professor BRANDER MATTHEWS]

293–294—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS

307–308—Seminar—The pastoral in Europe. Professor FLETCHER

309–310—Seminar—Discussion of dissertations. 2 hours. Professors TRENT, FLETCHER, THORNDIKE, KRAPP, LAWRENCE, AYRES and WRIGHT

Summer

sA1—Rhetoric and English composition. 2 points. Professors ODELL and VAN DOREN, and Mr. WHICHER

sA2—English composition. 2 points. Professor STEEVES

sB1—English literature and composition. 2 points. Miss FOX

This course is limited to 20 students

sB2—English literature and composition. 2 points. Miss Fox
This course is limited to 20 students

s1—Advanced composition. 2 points. Professor Baldwin
This course is limited to 20 students.

s19—American literature. 2 points. Professor Van Doren

s23—English literature from 1830 to 1890. 2 points. Professor Odell

s25—English literature from 1557 to 1660. 2 points. Professor Upham

s35—Shakespeare. 2 points. Professor Upham

s7—Technique of voice and speech, and elementary vocal expression. 2 points. Professor Watkins and Mrs. Davis

s11—Public speaking. 2 points. Professor Tassin

s13—Reading. 2 points. Professor Watkins and Mrs. Davis

s14—Advanced course in reading. 2 points. Professor Tassin

s1*b*—The technique of the short story. 3 points. Miss Williams

s107—History of the English language. Professor Ayres

s129—Anglo-Saxon. Professor Ayres

s203—The college teaching of composition. Professor Baldwin

s209—English usage. Professor Krapp

s233–234—English literature in the eighteenth century. Professor Trent

s239–240—English literature in the Victorian period. Professor Thorndike

s259—Elizabethan prose. Professor Krapp

Extension

eV1–V2—English for foreigners. Dr. S. W. Patterson

eW1–W2—English grammar and composition. Mr. Duncan

esW1—English Grammar and composition. 3 points. Mr. Duncan

eX1–X2—College entrance English. Dr. Gaston

esX1–X2—College entrance English. 3 points. Dr. S. W. Patterson

eY1–Y2—College entrance English. Mr. Mitchell and Mr. Duncan

esY—College entrance English. 3 points. Mr. Duncan

Commercial English e1–2—Business English and commercial correspondence. Mr. Duncan

es1—Business English and commercial correspondence. 3 points. Mr. Duncan

eA1–A2—English composition. 3 points. Dr. Wolff, Mr. Haller and Dr. Taylor.

eA3–A4—English composition. 1½ points. Dr. Wolff. Also in Bridgeport and Jersey City, Mr. Burrill; and in Passaic and Trenton, Dr. Taylor

eA8–9—English composition. 3 points. Mr. Clark

eB1–B2—English literature and composition. 2 points. Dr. Wolff

e1*a*–2*a*—English composition. Advanced. 1½ points. Dr. Wolff

e1*b*–2*b*—The short story. English composition. Dr. WILLIAMS. Also in Bridgeport, Mr. BURRILL

e1*c*–2*c*—The short story. English composition. Advanced. Dr. WILLIAMS

e3*a*–4*a*—Dramatic composition. Mr. HUGHES

e5–6—English grammar. 2 points. Dr. TAYLOR. Given in Trenton.

e11*a*–12*a*—Public speaking. 2 points. Mr. DOW and Mr. HALLIDAY

e15–16—English versification. 2 points. Dr. COHEN

e17–18—Modern literature, English and foreign. 2 points. Professor STEEVES

e19–20—The history of American literature. 2 points. Professor VAN DOREN

[e21–22—English literature from 1780 to 1830. 2 points. Dr. PATTERSON. Also given in Elmhurst]

e23–24—English literature from 1830 to 1890. 2 points. Professor PATTERSON. Also given in Bridgeport, Mr. BURRILL; and in Paterson and Trenton, Dr. TAYLOR

[e31–32—Fourteenth-century literature. 2 points. Professor PATTERSON]

e35*a*–36*a*—Shakespeare, 2 points. Professor TASSIN

e41–42—Development of the drama. 2 points. Dr. HALL.

e41*a*–42*a*—Contemporary dramatic literature. 2 points. Mr. HAMILTON. Also in Bridgeport, Mr. BURRILL

*e*43–44—Typical forms of English literature. The lyric. 2 points. Professor TUCKER. Also in Mount Vernon, Professor ABBOTT; in Passaic, Dr. TAYLOR; and in Jersey City, Mr. BURRILL

[e49*a*–50*a*—Sentence analysis. 1 point. Miss COOK]

[e51*a*–52*a*—English phonetics. 2 points. Professor GERIG]

[e61*a*–62*a*—Oral composition in elementary schools. 1 point. Miss COOK]

e81–82—Survey of English literature from the Anglo-Saxon period to the present time. 2 points. Professors TRENT, FLETCHER, THORNDIKE and AYRES

e211–212—Principles of phonetics. Mr. PIERCE

Equipment

The George Rice Carpenter Memorial Library, located in Room 601, Hall of philosophy, contains over 3000 volumes. The library is established and maintained by friends of the late Professor Carpenter, and is used as a departmental library for graduate students.

The Brander Matthews Dramatic Museum occupies rooms adjoining the library. Room 601 contains models of the theatres at different periods and many pictures illustrating the history of the stage. In Room 602 is a library of some 2000 volumes on the drama.

FINE ARTS

(See Architecture and Music)

In addition thirty-five courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of the School of Practical Arts.*

FRENCH (see page 183)

GEOGRAPHY

See introductory paragraphs, page 71

Professors: DODGE and MCFARLANE
Associate Professor: D. W. JOHNSON
Instructors: KIRCHWEY (C. B.), WRIGHT

51–52—General geography. 2 hours. Professor DODGE and Miss KIRCHWEY

51*a*–52*a*—General geography. 1 hour. Miss KIRCHWEY

56—Man and his geographic environment. 2 hours. Professor DODGE

57—Elements of industrial geography. 2 hours. Professor DODGE

101–102—The geography of the United States and western Europe. 2 hours. Professor DODGE

See also Education 131A–132A, 167A, 167–168, 267–268

Summer

S5—Commercial geography. Professor MCFARLANE

S25—Physical geography and its economic aspects. 3 points. Professor D. W. JOHNSON and Mr. KNIGHT

S106—Geography of industry and trade. Professor MCFARLANE

S119—Physiography of the eastern United States. 3 points. Professor D. W. JOHNSON and Mr. KNIGHT

S121—[Physiography of the western United States. Professor D. W. JOHNSON]

Attention is also called to the course in Extension Teaching, Commerce E5–E6—Commercial geography. Professor MCFARLANE

Equipment The Department of Geography occupies a suite of three rooms on the fourth floor of Teachers College. A lecture-room and laboratory capable of holding fifty, an office, and a combined office and stock-room compose the suite. The department is furnished with lantern slides, models, and wall maps; and has a set of the more important weather instruments in on outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses.

GEOLOGY

See introductory paragraphs, page 71

Professors: GRABAU and KEMP (*Executive Officer*)
Associate Professors: BERKEY and JOHNSON (D. W.)

Assistant Professor: OGILVIE
Curator: O'CONNELL
Lecturer: MOOK
Assistants: HATCH, KNIGHT, MORRIS and SMITH

1–2—General geology. *C* 2 hours, *L* 2 hours. 6 points. Professors GRABAU, BERKEY and JOHNSON and Mr. MORRIS

4—Petrography. *C* 2 hours, *L* 4 hours for two months. 2 points. Compare Mineralogy 6. Professor BERKEY

5–6—General geology. 3 hours. 6 points. Professors KEMP, BERKEY and GRABAU, Messrs. SMITH and KNIGHT

18—General geology. *C* 3 hours. 3 points. Field work on Saturdays (last six weeks). Professor BERKEY and Mr. MORRIS

19—Physiography—Physical features of the earth, and their effect on man—Land forms and map interpretation. May be continued with course 2. *C* 2 hours, *L* 2 hours. 3 points. Professor JOHNSON

51–52—Principles of geology. 2 hours. 4 points. Professors GRABAU and BERKEY

105–106—Economic geology. 3 hours. 6 points. With an additional hour for conference. 2 full courses. Professor KEMP and Mr. SMITH

107–108—Invertebrate paleontology. *C* 2 hours, *L* at least 4 hours. 2 full courses. Professor GRABAU and Mr. KNIGHT

110—Geological examinations and surveys—Field methods and organization. 2 hours. Half course. Professor KEMP

112—Field geology—One week field work, and report upon the same, immediately at the close of the spring examinations. Half course. Professors KEMP, BERKEY and JOHNSON

115—Elementary paleontology. *C* 1 hour, *L* 2 hours. Professor GRABAU and Mr. KNIGHT

116—Index fossils. *C* 1 hour, *L* 6 or more hours. Prerequisite, Course 1–2, or 5–6. Professor GRABAU and Mr. KNIGHT

119—Physiography of the eastern United States. Alternates with 121—Omitted in 1913. *C* 2 *L* 4, half or full course by arrangement. Professor JOHNSON

[121—Physiography of the western United States. *C* 2 *L* 4, half or full course by arrangement. Professor JOHNSON. Alternates with 119. Given in 1915]

151–152—Principles of geology. *C* 2 hours, *L* 4 hours or more. 2 full courses. (51–52 with additional laboratory and library work.) Professors GRABAU and BERKEY

175—Field geology in Paleozoic rocks of eastern North America. 2 to 4 weeks in the summer. Officers of the department

201–202—Petrology. *C* 2 hours, *L* at least 4 hours. 2 full courses. Professors KEMP and BERKEY

205–206—Comparative geology of North America—A comparative description and study of the geological formations of North America.

C 3 hours, 4 hours reading and laboratory. 2 full courses. Professors KEMP and GRABAU

[209–210—Comparative geology of Europe. *C* 2 hours, 4 hours laboratory and library work. Professor GRABAU]

211—Phylogeny of the Gastropoda. *C* 1 hour, *L* 6 + hour. Full course. Professor GRABAU. Omitted in 1915

[212—Phylogeny of the Cephalopoda. *C* 1 hour, *L* 6 + hour. Professor GRABAU. Omitted in 1914]

213–214—Fossil faunas of North America. *L* 6 to 8 hours. Conference by appointment. 2 full courses. Professor GRABAU and Mr. KNIGHT

301–302—Paleogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. 2 full or 2 double courses. Professor GRABAU

303–304—Journal Club and seminar conducted by officers of the department. 2 evenings a month.

307–308—Research in areal, structural, economic, or physiographic geology under officers of the department. 2 full or 2 double courses.

311–312—Phylogeny of a special group of invertebrates. Research course. 2 full or 2 double courses. Professor GRABAU

315–316—Stratigraphy. Research course. 2 full or 2 double courses. Professor GRABAU

B 1–2—General geology. Elementary course. *C* 2 hours, *L* 2 hours. 6 points. Professor OGILVIE and Miss HATCH

B1*a*–2*a*—General geology. 2 points

B 113—Summer field course—Two weeks in the field and subsequent preparation of a report. Professor OGILVIE

B115–116—Paleontology. *C* 1 hour, *L* 2 hours. Professor OGILVIE and Miss RAEDER

B117–118—Glacial geology and advanced physiography. *C* 1 hour, *L* to be arranged. Professor OGILVIE

B119–120—General geology. Advanced course. *C* and *L* to be arranged; 4, 6, or 8 hours. Professor OGILVIE and Miss HATCH

For the courses in geography see page 128

H215—Engineering geology. Lectures, laboratory and field work, 3 hours. Half course. Professor KEMP

H216—Lithology. Lectures and laboratory work. 2 hours. Half course. Professor BERKEY

Summer

S1–S1*a*—General geology. 2 or 3 points. Professor FINLAY

S2 or S2*a*—Elementary historical geology. 3 points. Professor GRABAU and Miss KURTZ

S105—Economic geology. 3 points. Professor FINLAY

S19—Elementary physiography. 2 or 3 points. Professor JOHNSON and Mr. KNIGHT

S25*a*–25*b*—Elementary conchology. 2 or 3 points. Miss O'CONNELL

[S119—Physiography of eastern United States. Half or full course. Professor JOHNSON. Not given in 1914]

S121—Physiography of western United States. Half or full course. Given in 1914. Professor JOHNSON and Mr. KNIGHT

S151*a*–151*b*—152*a*–152*b* in 1914. Principles of geology. 2 or more points. Half or full course. Professor GRABAU and Miss O'CONNELL

S175–175*a*—Stratigraphic geology. Field work in New York State. 2 or 4 points. Half or full course. Professor GRABAU

Extension

E1—General geology—a general introduction to the subject of geology. 3 points. Dr. REEDS

E2—Historical geology—the origin of the earth and its physical and organic development. 3 points. Dr. REEDS

The following courses in paleobotany are offered at the New York Botanical Garden by Dr. Arthur Hollick:

General paleobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

Equipment

The department has ample laboratories, a departmental library and reading room, and a full equipment for its several lines of work. For details see the separately printed *Announcement*

The paleobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

GERMANIC LANGUAGES AND LITERATURES

See introductory paragraphs, page 71

Professors: CARPENTER and CALVIN THOMAS (*Executive Officer*)

Associate Professors: BAGSTER-COLLINS, BRAUN, HERVEY, and REMY

Assistant Professor: HEUSER

Instructors: BACH (M. G.), BETZ, HASKELL, PORTERFIELD, SCHULZE and GRAY.

Lecturers: RICHARD,* BÖHME and VAN NOPPEN

German

A1–A2—Elementary course. 3 hours. Mr. GRAY (Columbia); Drs. PORTERFIELD, HASKELL, and BETZ (Barnard); Mr. M. G. BACH (Teachers College)

B1–B2—Intermediate course. 3 hours. Mr. GRAY and Dr. BÖHME (Columbia); (designated 1–2) Drs. PORTERFIELD and HASKELL (Barnard); Mr. M. G. BACH (Teachers College)

B4—Intermediate course. Equivalent to B1. 3 hours. Dr. BÖHME

B5—Intermediate course. Equivalent to B2. 3 hours. Dr. BÖHME

*Died Nov. 20, 1914.

E1–E2—Course for engineering students. 3 hours. Mr. SCHULZE

J1–J2—Journalistic German. Intermediate course. 3 hours. Mr. SCHULZE

J3–J4—Journalistic German. Advanced 3 hours. Mr. SCHULZE

1–2—Speaking and writing German. Elementary course. 2 hours. Mr. GRAY

3–4—Composition and colloquial practice. Intermediate course. 2 hours. Professor HEUSER (Columbia), Dr. BETZ (Barnard)

5–6—Selected works of Goethe, Schiller, and Lessing. 3 hours. Professors HERVEY and HEUSER (Columbia), Professor BRAUN, Drs. PORTERFIELD and BETZ (Barnard)

7—Modern German Prose. 3 hours. Dr. PORTERFIELD (Barnard)

8—Modern German Prose. 3 hours. Dr BÖHME (Columbia), Dr. PORTERFIELD (Barnard)

9–10—Advanced practice course. 2 hours. Professor BRAUN (Barnard)

11–12—Composition and colloquial practice. Advanced course. 2 hours. Professor HEUSER (Columbia). (Colloquial practice only). Dr. HASKELL (Barnard)

[13–14 or 13*a*–14*a*—Nineteenth century writers. Kleist and Grillparzer. 2 or 3 hours. Professor HEUSER]

15–16 or 15*a*–16*a*—Nineteenth-century writers. Hebbel and Hauptmann. 2 or 3 hours. Survey of nineteenth century drama in third hour. Professor HEUSER

[17–18—Life and works of Goethe. 3 hours. Professor HERVEY]

19–20—Life and works of Schiller. 3 hours. Professor HERVEY

[21—Nineteenth century fiction, Keller and Storm. 2 hours. Mr. SCHULZE]

[22—Nineteenth century fiction, Freytag and Sudermann. 2 hours. Mr. SCHULZE]

21–22—Goethe. Life and selected works. 3 hours. Dr. HASKELL (Barnard)

[23–24—Schiller. Life and selected works. 3 hours. Dr. HASKELL (Barnard)]

25–26—Selected dramas of the nineteenth century. 2 hours. Professor BRAUN and Dr. HASKELL (Barnard)

27–28—Romantic fiction and poetry. 3 hours. Dr. PORTERFIELD (Barnard)

37, 38—History of German literature. 2 hours. Professor THOMAS (Barnard)

39, 40—Goethe's *Faust*. First and second parts. 2 hours. Professor BRAUN (Barnard)

53–54—Educational German. 2 hours. Professor BAGSTER-COLLINS (Teachers College)

61 and 101—History of German literature from the earliest times to the Reformation. 3 hours. Full course. Professor THOMAS

62 and 102—History of German literature from the Reformation to the nineteenth century. 3 hours. Full course. Professor THOMAS

63–64 and 103–104—Goethe's *Faust*. First and second parts. 2 hours. Two half courses. Professor THOMAS

105—German literature in the nineteenth century. Half course. Professor THOMAS

106—Contemporary German literature. Half course. Dr. BOEHME

107—History of the German language. Half course. Professor REMY

108—The German of to-day. Half course. Professor REMY

109—Heinrich von Kleist. Vorträge and Aufsätze in deutscher Sprache. Half course. Professor HEUSER

112—Myth and Legend in the works of Richard Wagner. Half course. Professor REMY

113–114—Middle High German literature. Two full courses. Professor HERVEY

128—Old High German and Old Saxon. Full course. Professor REMY

129–130—Outlines of the history of German civilization. Two half courses. Dr. RICHARD (discontinued in second half-year)

141—Phonetics. Half course. Professor BAGSTER-COLLINS (Teachers College)

142—Modern German Syntax. Half course. Professor BAGSTER-COLLINS (Teachers College)

Education 169–170—The teaching of German in Secondary Schools. Two half courses. Professor BAGSTER-COLLINS (Teachers College)

201—Proseminar. Lessing. Full course. Professor HERVEY

202—Proseminar. Goethe. Full course. Professor HERVEY

203—Proseminar. Schiller. Full course. Professor THOMAS

204—Proseminar. Grillparzer. Full course. Professor THOMAS

207—Proseminar. Hebbel. Full course. Professor HEUSER

208—Proseminar. Gerhart Hauptmann. Full course. Professor HEUSER

Dutch

131–132—The Dutch language, beginners' course. Two half courses. Mr. VAN NOPPEN

133–134—Dutch literature of the Renaissance. Two half courses. Mr. VAN NOPPEN

Scandinavian

121—Elementary Icelandic. Full course. Professor REMY

122—Advanced Icelandic. Full course. Professor REMY

Gothic

127—Gothic. Full course. Professor REMY

Philology

205—Comparative philology of the Germanic dialects. Full course. Professor REMY

206—Continuation of course 205. Full course. Professor REMY

Seminar

301—Gottfried von Strassburg's *Tristan*. Full course. Professor REMY

302—The Goethe-Schiller Correspondence. Full course. Professor THOMAS

Summer

esA1—Elementary course. (Evening class.) 2 points. Mr. EYSTER

esA2—Elementary Reading and oral Practice. (Evening class.) 2 points. Mr. EYSTER

sA1—Elementary course. 2 points. Messrs. PALMBLAD, GRAY, and SCHOLZ

sA2—Elementary reading and oral practice. 2 points. Messrs. PALMBLAD and SCHOLZ

sA3—Supplementary course. 2 points. Messrs. BACH and GRAY

sB1—Intermediate course. First part. 2 points. Dr. BETZ

sB2—Intermediate course. Second part. 2 points. Mr. SCHULZE

s3-4—Composition and oral practice. Intermediate course. 2 points. Mr. BACH, and Dr. BETZ

s5-6—Introduction to the classics. 4 points. Dr. PORTERFIELD

s11-12—Composition and oral practice. Advanced. Mr. SCHULZE

[s101—History of German literature from the earliest times to the Reformation. Half course]

s102—History of German literature from the Reformation to the rise of the Romantic School. Half course. Professor VON KLENZE

s103-104—Goethe's *Faust*. Half course. Professor HERVEY

[s106—Contemporary German literature. Half course.]

e107—History of the German language. Half course. Professor CURME

[s108—The German language of to-day. Half course]

e127—Gothic. Full course. Professor CURME

[s128—Old High German. Full course]

s131—The Romantic movement in Germany. Half course. Dr. PORTERFIELD

e135—Goethe's lyrische Dichtung. Full course. Professor VON KLENZE

[s141—Phonetics. Half course. Professor BAGSTER-COLLINS]

[s201—Proseminar A. Great German writers. Lessing. Full course]

[s202—Proseminar B. Great German writers. Goethe. Full course Professor HERVEY]

s203—Proseminar C. Great German writers. Schiller. Full course

Extension

eA1-A2—Elementary course. 3 points each half-year. Mr. EYSTER, Mr. WERNER, and Mr. SCHULZE

eA3-A4—Elementary course. 1½ points each half-year. Mr. M. G. BACH

eA5–A6—Elementary course. $1^1/_2$ points each half-year. Mr. M. G. BACH

eA8—Elementary course. Second half-year. 3 points. Dr. PORTERFIELD and Mr. REICHLING

eA9—Elementary course. First half-year. 3 points. Dr. PORTERFIELD and Mr. REICHLING

eB1–B2—Intermediate course. 6 points. Messrs. SCHULZE and WERNER

eB3–B4—Shorter intermediate course. 4 points. Professor BRAUN

eB6—Intermediate course. Second half-year. 3 points Mr. GRAY

eB7—Intermediate course. 3 points first half-year. Mr. GRAY

e3–4—Composition and oral practice. Intermediate course. $1^1/_2$ points each half-year. Dr. BETZ

e5–6—Introduction to the classics. 6 points. Professor HERVEY

e11–12—Composition and oral practice. Advanced. 3 points. Professor BRAUN

e101–102—Goethe's *Faust.* History of German Literature from the earliest times to the Reformation. Two half courses. Professor THOMAS

e145–146—Practicum in Modern German usage and advanced syntax. Two half courses. Professor HEUSER

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 2000 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures and independent of the main collection in the University Library, is placed in a room adjacent to the lecture-room and offices of the department in Philosophy Hall. A similar library of about 500 volumes is maintained in Hamilton Hall for the use of advanced college students.

The income of the Carl Schurz Library Fund ($10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see index.

Deutsches Haus The Deutsches Haus at 419 West 117th Street contains a good working library of some 3000 volumes relating to contemporary German literature, a reading-room where the more important German journals are accessible to students, and a bureau of information concerning the educational interrelations of Germany and the United States. It also serves as the residence of the Kaiser Wilhelm Professor during his stay in New York and as headquarters of the Germanistic Society. The director is Professor Wilhelm A. Braun.

Germanic Club The Germanic Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent scholarship in the Germanic field. The Club consists of the officers, fellows, and scholars of the department. Meetings are held monthly.

Deutscher Verein The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the study of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. Meetings are held bi-weekly.

GREEK (see page 97)

GYNECOLOGY

See introductory paragraphs, page 71

Professor: CRAGIN (*Executive Officer*)

Professors of Clinical Gynecology: CHAMBERS, OASTLER, TAYLOR

Associate: WARD

Instructors: LOBENSTINE, PROBEN, RYDER, VAN ETTEN and WILLIAMS (P. H.)

Clinical Assistants: ROFF, SILLECK, COLIE, AYRES

Courses **211–212, 213–214,** and **215–216** are open to graduates in medicine

201—Recitations and demonstrations in gynecology. 1 hour. Dr. WARD

202—The principles and practice of gynecology. 2 hours. Professor CRAGIN

203–204—Clinic in operative gynecology. 4 hours. Professor CRAGIN

205–206—Demonstration of patients convalescing from gynecological operations and of specimens removed. 6 hours. Dr. VAN ETTEN

207–208—Practical instruction in gynecological diagnosis. 3 hours. Drs. WARD, PROBEN, RYDER and WILLIAMS

209–210—Practical instruction in the diagnosis and treatment of venereal diseases in women. Dr. LOBENSTINE

211–212—Clinic in operative gynecology. 1 hour. Professor OASTLER

213–214—Clinic in operative gynecology. 1 hour. Professor CHAMBERS

215–216—Clinic in operative gynecology. 1 hour. Professor TAYLOR

HISTORY

See introductory paragraphs, page 71

Professors: BOTSFORD, DUNNING (*Executive Officer*), JOHNSON (H.), OSGOOD, ROBINSON, SHEPHERD, SHOTWELL and SLOANE

Associate Professor: MUZZEY

Assistant Professors: HAYES and SCHUYLER

Instructors: FOX, HUMPHREY, HUTTMANN and KENDRICK

Assistants: HOFFMAN and SHELDON

A1–A2—A survey of modern European history. 3 points each half year. Professors HAYES, SCHUYLER, Dr. HUMPHREY, Mr. KENDRICK, and Mr. FOX (Columbia College)

A1–A2—Epochs of European history. 3 points each half year. Professor MUZZEY and Miss HUTTMANN (Barnard College)

A4–A5—3 points each half year. Dr. HUMPHREY (Columbia College)

A7–A8—Foundations of European civilization. 3 points each half year. Dr. HUMPHREY (Columbia College)

A9–A10—A survey of American history. 3 points each half year. Professor SCHUYLER and Mr. FOX (Columbia College)

3–4—History of Greece. 3 points each half year. Professor BOTSFORD (Barnard College and Columbia College)

[**5–6**—The Roman empire. Professor BOTSFORD (Barnard College and Columbia College)]

[**7–8**—The breakup of the Roman empire and the Renaissance. Dr. HUMPHREY (Columbia College)]

9–10—Modern European history, with special reference to the development of France. 2 points each half year. Professor MUZZEY (Barnard College)

11–12—English history, with special reference to the history of Continental Europe. 3 points each half year. Professor MUZZEY (Barnard College)

13—Political history of the United States from the close of the revolution to the war with Mexico. 3 points. Professor SCHUYLER (Columbia College)

13–14—History of the United States. 3 points each half year. Professor SHEPHERD (Barnard College)

14—Political history of the United States since 1848. 3 points. Professor DUNNING (Columbia College)

15–16—Recent American history. 3 points each half year. Dr. KENDRICK (Columbia College)

19–20—Contemporary European history. 2 points each half year. Professor SHOTWELL and Miss HOFFMAN (Barnard College)

19–20—Contemporary events. 2 points each half year. Professor HAYES (Columbia College)

53–54—Modern social politics in Western Europe. 3 points each half year. Professor HAYES (Columbia College)

55—Origins of European society. 3 points. Professor SHOTWELL and Mr. FOX (Columbia College), Professor SHOTWELL and Miss HOFFMAN (Barnard College)

56—The social and industrial history of modern England. 3 points. Professor SHOTWELL and Mr. FOX (Columbia College), Professor SHOTWELL and Miss HOFFMAN (Barnard College)

57–58—History of England, principally during the seventeenth, eighteenth and nineteenth centuries. 3 points each half year. Professor SCHUYLER (Columbia College)

69–70—The expansion of Europe. 3 points each half year. Professor SHEPHERD (Columbia College)

71–72—The history of the intellectual class in Europe. 3 points each half year. Professor ROBINSON and Mr. FOX (Columbia College)

73—Greek and Roman Theories of Life and Conduct. 2 points. Mrs. PUTNAM (Barnard College)

117–118—History of Greece to the end of the war with Persia. 2 full courses or 2 half courses. Professor BOTSFORD

[119–120—The Roman empire, political, social and intellectual. Professor BOTSFORD]

121—The history of the intellectual class in Europe: Part I. Full course. Professor ROBINSON

122—The history of the intellectual class in Europe: Part II. Full course. Professor ROBINSON

[125–126—The history of England to 1660]

151—European history, 1815–1848. Full or half course. Professor SLOANE

[153—Contemporary European history since 1848. Professor SLOANE]

155—The origins of European society. Full course. Professor SHOTWELL

156—Social and industrial history of modern England. Full course. Professor SHOTWELL

157–158—The history of England in the seventeenth, eighteenth and nineteenth centuries. Full course. Professor SCHUYLER

169—The expansion of Europe: first phase. Full or half course. Professor SHEPHERD

170—The expansion of Europe: second phase. Full or half course. Professor SHEPHERD

193–194—Theory and practice of teaching history in secondary schools. Full course. Professor JOHNSON (Teachers College)

[213–214—History of Greece from the end of the war with Persia to the Roman conquest. Professor BOTSFORD]

215–216—History of Rome to the end of the republic. 2 full courses or 2 half courses. Professor BOTSFORD

[219—Later Roman empire and early middle ages. Professor SHOTWELL]

221—Advanced course in the intellectual history of Europe during the Greek, Roman and Medieval periods. Full course. Professor ROBINSON

223—Primitive institutions in Europe. Full course. Professor SHOTWELL

226—Europe in the twelfth and thirteenth centuries. Full course. Professor SHOTWELL

[1]227—The Protestant Revolt. Full course. Professor ROCKWELL

228—The reforms of the French revolution. Full course. Professor MUZZEY

[1]229—General church history. Period I: The ancient church to 590 A.D. Full course. Professor MCGIFFERT

[1]230—General church history. Periods II and III: The medieval and modern church, 590–1789. Full course. Professor ROCKWELL

[1]231–232—History of Christian thought. 2 double courses. Professor MCGIFFERT

[1]233–234—Medieval ecclesiastical institutions. 2 full courses. Professor ROCKWELL

[[1]236—History of New Testament times. Mr. TRYON]

[1]238—Readings in the early fathers. Full course. Mr. TRYON

[1]239—The influence of contemporary cults on early Christianity. Full course. Mr. TRYON

[[1]241—Medieval church history, 590–1517. Professor ROCKWELL.]

[1]242—English church history before the Reformation. Full course. Professor ROCKWELL

[[1]244—English church history (Reformation and Post-Reformation periods) Professor MCGIFFERT]

[1]245—European church history in the nineteenth century. Full course. Professor ROCKWELL

[[1]246—American church history. Professor ROCKWELL]

[2]247—The church during the first three centuries. Full or half course. Professor JENKS

[2]248—The church from the Council of Nicaea to Charlemagne. Full or half course. Professor JENKS

[2]249—The church of England. Full or half course. Professor JENKS

[2]250—The church from Charlemagne to modern times. Full or half course. Professor JENKS

261—American colonial history during the seventeenth century. Double course. Professor OSGOOD

263–264—American colonial history during the eighteenth century. 2 full courses. Professor OSGOOD

[267—The United States from 1850 to 1865. Professor DUNNING]

[1] Given at Union Theological Seminary.

[2] Given at the General Theological Seminary.

[268—The United States after the Civil War. Professor DUNNING]

269—Hispanic institutions and culture. Half course. Professor SHEPHERD

[271—Spanish colonization in the United States. Professor SHEPHERD]

[273—French colonization in the United States. Professor SHEPHERD]

275—Colonial Latin America. Full or half course. Professor SHEPHERD

276—The Latin-American republics. Full or half course. Professor SHEPHERD

279—General history of political theories, ancient and medieval. Full or half course. Professor DUNNING

280—General history of modern political theories. Full or half course. Professor DUNNING

281—American political philosophy before 1850. Full course. Professor DUNNING

282—American political philosophy since 1850. Full course. Professor DUNNING

293–294—Practicum. Full course. Professor JOHNSON (Teachers College)

311–312—Seminar in Greek and Roman history. 2 full courses. Professor BOTSFORD

[1]313–314—Seminar in church history. 2 full courses. Professor MCGIFFERT

[1]315—Historical bibliography, with special reference to medieval and ecclesiastical sources. Full course. Professor ROCKWELL

[1]316—Historical training class: methods of research, with exercises. Full course. Professor ROCKWELL

[[1]317–318—Seminar in church history: the rise and development of the Papacy. Professor ROCKWELL and Mr. TRYON]

[[1]319–320—Seminar in the history of religious thought. 2 full courses. Professor MCGIFFERT

321—The sources and history of European history. Full or half course. Professor SHOTWELL

322—Development of rationalism in Europe. Full course. Professor ROBINSON

[323—Seminar in primitive institutions in Europe. Professor SHOTWELL]

356—Seminar in the social history of England during the Industrial Revolution. Full course. Professor SHOTWELL

357 (358)—The work of Napoleon. 1 full course or 2 full courses. Professor SLOANE

[361—The American Revolution. Professor OSGOOD]

[1] Given at Union Theological Seminary.

363–364—Seminar in American colonial history. Full course. Professor OSGOOD

365 (366)—European politics and the War of 1812. 1 full course, or 2 full courses. Professor SLOANE

367–368—Seminar in later United States history. 2 full courses. Professor DUNNING

369–370—Seminar in the expansion of Europe. 2 half courses. Professor SHEPHERD

Attention is also called to the following related courses:

101—Introduction to anthropology. Full course. Professor BOAS

102—Methods of anthropological research. Full course. Professor BOAS

103—History of India and of Persia. Full or half course. Professor JACKSON

104—The rise of Arabian civilization and the spread of Mohammedanism. Half course. Professor GOTTHEIL

109—The history of Western Asia and Egypt. Half course. Professor PRINCE

113–114—History, language, literature, government, art and social life of the Chinese. 2 half courses. Professor HIRTH

[129–130—Ethnography of Africa. Dr. GOLDENWEISER]

[131–132—Ethnography of Europe. Professor BOAS]

133–134—Ethnography of America and Siberia. Full course. Dr. GOLDENWEISER

[137—General ethnology: primitive man and his physical environment. Dr. GOLDENWEISER]

138—General ethnology: technology and primitive art. Full course. Dr. GOLDENWEISER

139—General ethnology: types of primitive religion and mythology. Full course. Dr. GOLDENWEISER

[140—General ethnology: types of primitive social organization. Dr. GOLDENWEISER]

[154—The political and social evolution of modern Turkey and Egypt. Professor GOTTHEIL]

159—History of socialism. Full or half course. Professor SIMKHOVITCH

161—The formation of the American constitutional system. Full course. Professor BEARD

162—The development of the American constitutional system. Full course. Professor BEARD

163—Fiscal and industrial history of the United States. Full or half course. Professor SELIGMAN

166—History of American diplomacy. Full course. Professor J. B. MOORE

181–182—General history of philosophy. 2 full courses. Professor WOODBRIDGE

[183–184—Moral and political philosophy. Professor DEWEY]

224—History of European law. Full or half course. Professor MUNROE SMITH

251—History of diplomacy. Full course. Professor J. B. MOORE

255—Social evolution: ethnic and civil origins. Full or half course. Professor GIDDINGS

256—Social evolution: civilization, liberty and democracy. Full or half course. Professor GIDDINGS

[257—The evolution of progressive society. Professor GIDDINGS]

[258—The theory of social evolution. Professor GIDDINGS]

260—Radicalism and social reform as reflected in the literature of the nineteenth century. Full course. Professor SIMKHOVITCH

Summer

sA1—The foundations of modern Europe. 2 points. Dr. KENDRICK

sA2—Modern and contemporary European history. 2 points. Dr. HUMPHREY

s13—History of the United States, 1783–1845. 2 points. Dr. SCHAPIRO

s102—The Hellenic world from the Peloponnesian War through the Macedonian Conquest. Full course. Professor OLMSTEAD

s106—The Roman empire to the Germanic invasions. Full course. Professor OLMSTEAD

s112—Mediaeval culture and the Renaissance. Full course. Professor KREHBIEL

s121—History of the intellectual class in Europe. Full course. Professor ROBINSON

s124—The old régime, the French Revolution and the work of Napoleon. Full course. Professor MUZZEY

s125—History of the Slavonic nations. Full course. Professor PRINCE

s126—European history, 1815–1870. Full course. Professor KREHBIEL

s128—Recent European history, social, political and industrial. Full course. Dr. SCHAPIRO

s132—History of England from the opening of the seventeenth century to the present time. Full course. Professor MUZZEY

s141—The United States, 1783–1815. Full course. Mr. GAMBRILL

s143—The United States, 1850–1874. Full course. Professor FLEMING

s156—The social history of modern Europe, with especial attention to England. Full course. Professor SHOTWELL

s169—The expansion of Europe to the end of the eighteenth century. Full course. Mr. GAMBRILL

s354—Seminar in American history. Full course. Professor FLEMING

Extension

eX1—American history. Mr. HILL

eX2—Ancient history. Mr. HILL

eA1—The foundations of modern Europe. 3 points. Dr. HUMPHREY

eA2—Modern and contemporary history. 3 points. Dr. HUMPHREY

eA9—The formation of the United States. 3 points. Mr. FOX

eA10—The development of the American nation. 3 points. Mr. FOX

e11–12—The history of England. 2 points each half year. Professor SCHUYLER

e15–16—Recent American history. 2 points each half year. Dr. KENDRICK

e104—The political and social evolution of modern Turkey and Egypt. Half course. Professor GOTTHEIL

e104*a*—Course e104 supplemented by assigned readings and reports. Full course.

e125–126—History of the Slavonic nations. Half course each half year. Professor PRINCE

e145–146—Social and industrial history of the United States. Half course each half year. Mr. GAMBRILL

e149–150—The French Revolution and the Napoleonic era. Half course each half year. Professor MUZZEY

e153–154—Political and social history of Western Europe since 1848. Half course each half year. Professor HAYES

e155—The origins of European society. Half course. Professor SHOTWELL

e156—Social and industrial history of modern England. Half course. Professor SHOTWELL

e161–162—History of social reform in the United States. Full or half course each half year. Dr. LEVINE

e171–172—Relations of the United States and Latin America. Mr. HILL

Equipment

The University Library contains many of the great published collections for the study of ancient, medieval, and modern history. The special library of history and political science numbers upwards of 150,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the current *Announcement of the Division of History, Economics, and Public Law.* which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members,

opportunities are given for the discussion of questions of interest as presented in papers by specialists.

HOUSEHOLD ARTS

The School of Practical Arts of Teachers College provides eighty-eight courses in Household Arts Education, Nutrition and Food Economics, Household Chemistry, Physiological Chemistry, Foods and Cookery, Textiles and Clothing, Household Art, Household and Institutional Administration, and Nursing and Health. Part-time students are provided for by Special Classes. These courses and the Household Arts building and equipment are described in special circulars and in the current *Announcement of the School of Practical Arts*. There is a summer session of the School.

HYGIENE AND PREVENTIVE MEDICINE

Associate: WALTER BENSEL, M.D.

202—Hygiene and preventive medicine. 2 hours. Dr. BENSEL

INDO IRANIAN (see page 162)

INDUSTRIAL ARTS

The School of Practical Arts of Teachers College provides thirty-six courses in Industrial Arts Education, Drawing and Design, Industrial Mathematics, Wood-Working and Metal-Working. These courses and the Macy Manual Arts building and equipment are described in the current *Announcement of the School of Practical Arts* which will be sent without charge upon application to the Secretary of the University. There is a summer session of the School.

JOURNALISM

See introductory paragraphs, page 71

Professor: WILLIAMS

Associate Professor: MATTHEWS (F.)

Associates: BROWN (R. C. E.), MACALARNEY, SLOSSON

1—History and principles of the inorganic sciences. 3 points. Dr. SLOSSON

2—History and principles of the biological sciences. 3 points. Professor CRAMPTON

A1–A2—Practice in writing newspaper supplement articles and others covering the miscellaneous needs of a newspaper. 3 points. Professor PITKIN and Mr. BROWN

B1–B2—Practice course in special writing. 3 points. Professor PITKIN

31–32—Essentials in newspaper technique. 3 points. Professor FRANKLIN MATTHEWS

33—Social and Administrative Statistics. 3 points. Professor CHADDOCK

41–42—Reporting and interviewing. 3 points. Mr. MACALARNEY

43–44—Handling and Heading Copy. 3 points. Professor F. MATTHEWS

131–132—Modern European Literature. 3 points. Professor CUNLIFFE

141–142—History of Journalism. 3 points. Professor WILLIAMS

143–144—Elements of Law. 2 points. Professor GIFFORD

145–145—International Relations. 2 points. Professor WILLIAMS

Equipment

In the Journalism Building the Department is provided with ample space for its lecture rooms, laboratories and library.

On the first floor in addition to the Administration offices and a large lecture hall there is a typewriting room specially fitted up for students taking professional courses.

The Library of about 5000 books and 1000 bound newspapers occupies the entire second floor of the building. There is also a reading room especially strong in sociology, economics, and modern European literature. In the newspaper reading room a hundred daily papers, American and foreign, are on file. There is also a collection of about 400,000 newspaper clippings.

Lectures by distinguished journalists and public men form part of the instruction on which all undergraduate students will be examined.

LATIN (see page 97)

LAW

See introductory paragraphs, page 71

PRIVATE LAW

Professors: ABBOTT, BURDICK, CANFIELD, GIFFORD, GUTHRIE, MOORE (J. B.), KIRCHWEY, REDFIELD, MUNROE SMITH, STONE (*Executive Officer*), and TERRY

Associate Professors: REYNOLDS and POWELL

Associate: DORR

Assistant: WHITAKER

101–102—Contracts. 4 hours. Professor TERRY

103—Criminal law. 3 hours. Professor GIFFORD

105—Elements of law. 3 hours. Professor MUNROE SMITH

107—Pleading and practice I. 3 hours. Professor REDFIELD

108—Real Property I 4. Personal property I. 2 hours. Professor KIRCHWEY

110—Torts. 2 hours. Professor BURDICK

111—American constitutional law I. 1 hour. Professor GUTHRIE

201—Agency. 3 hours. Professor GIFFORD

202—Carriers. 3 hours. Professor REYNOLDS

205—Domestic relations and the law of persons. 2 hours. Professor ABBOTT

[1][206—Bankruptcy and insolvency. 2 hours. Mr. GLENN]

207—Equity I. 3 hours. Professor ABBOTT

208—Trusts. 2 hours. Professor STONE

210—Negotiable paper. 3 hours. Professor BURDICK

211—Insurance. 2 hours.

212—Federal jurisdiction. 2 hours.

213—Pleading and practice II. 2 hours. Professor REDFIELD

215—Real and personal property II. 4 hours. Professor KIRCHWEY

216—American constitutional law II. 4 hours. Professor POWELL

219—Quasi contracts. 3 hours. Professor KIRCHWEY

219–220—Sales of personal property. 2 hours. Professor BURDICK

Negotiable paper. 3 hours. Professor BURDICK

221–222—Corporations. 2 hours. Professor CANFIELD

223—Equity II. 3 hours. Professor STONE

225—Evidence. 2 hours. Professor GIFFORD

228—New York Trusts and Perpetuities. 2 hours. Professor CANFIELD

229—Partnership. 3 hours. Professor BURDICK

230—Mortgages. 3 hours. Professor STONE

231—Pleading and practice III. 3 hours. Professor REDFIELD

232—Suretyship. 2 hours. Professor ABBOTT

233–234—Real and personal property III. 2 hours. Professor ABBOTT

Wills and administration. 3 hours. Professor REDFIELD

Conflict of laws. 1 hour. Professor J. B. MOORE

International law. 2 hours. Professor J. B. MOORE

Municipal corporations. 2 hours. Professor POWELL

Law of officers. 2 hours. Professor POWELL

Law of taxation. 2 hours. Professor POWELL

Special Courses

Admiralty.[1] 2 hours.

Federal jurisdiction. 2 hours.

Patent Law. 2 hours. Mr. HOLT

Law of mining and irrigation. 2 hours. Professor KIRCHWEY

Trial evidence. 1 hour.

Readings in the digest of Justinian. 1 hour. Professor MUNROE SMITH

Modern civil law. 3 hours. Professor MUNROE SMITH

History of European law. 3 hours. Professor MUNROE SMITH

Summer

S1—Real and personal property I. 4 points. Professor KIRCHWEY

S2—Personal property I. 2 points. Professor KIRCHWEY

S3—Criminal law. 3 points. Professor GIFFORD

[1] Omitted during 1914–15.

s4—Negotiable paper. 3 points. Professor McBAIN
s5—Carriers. 3 points.
s6—Domestic relations and the law of persons. 2 points. Professor GIFFORD
Code pleading. 2 points. Professor DEE
Code practice. 3 points. Professor DEE
Agency. 3 points. Professor CHARLES K. BURDICK
Bankruptcy and insolvency. Mr. GLENN
Insurance. 2 points. Professor McBAIN
s203—Constitutional law. 2 points. Mr. POWELL
s204—Constitutional law. 2 points. Mr. POWELL

PUBLIC LAW AND COMPARATIVE JURISPRUDENCE

Professors: MUNROE SMITH (*Executive Officer*), MOORE (J. B.), GUTHRIE
Associate Professors: BEARD, POWELL, and McBAIN
Assistant Professors: SAIT, STOWELL
Instructor: MacMAHON
Assistant: FRASER

Public Law

1—American federal government (in sections). 3 hours. Professors BEARD and SAIT and Mr. McMAHON
2—American state and municipal government (in sections). 3 hours. Professors BEARD, McBAIN and SAIT and Mr. McMAHON
4—(Identical with 1.) Professor BEARD and Mr. McMAHON
5—(Identical with 2.) Professor BEARD and Mr. McMAHON
55—Party government in the United States. 3 hours. Professor BEARD and Mr. McMAHON
56—Municipal government. 3 hours. Professor McBAIN and Mr. McMAHON
101—Formation of the American constitutional system. Professor BEARD. (Identical with History 161.)
102—Development of the American constitutional system. Professor BEARD. (Identical with History 162.) Given first half year in 1914
107–108—Comparative politics and government. 2 hours. Professor SAIT
105—Party government in the United States. 2 hours. Professor BEARD
106—Municipal government. 2 hours. Professor McBAIN
[209—American state government and administration. 2 hours. Professor McBAIN]
204—Introduction to constitutional law. 1 hour. Professor GUTHRIE
205–206—The constitutional law of the United States. 2 hours. Professor POWELL
301–302—Seminar in constitutional and administrative law. Professors BEARD, POWELL, and McBAIN

Summer

S1—American federal government. 2 points. Professor McBAIN

S105—Party government in the United States. Full or half course. Professor McBAIN

S203–204—Constitutional law. (Two full courses.) Professor POWELL

S120—History of American diplomacy. (Full course.) Professor STOWELL

S123—International law. (Full course.) Professor STOWELL

120—History of American diplomacy. 2 hours. Professor MOORE

125–126——Rights, duties, and immunities of consular and diplomatic officers. 1 hour. Professor STOWELL

127–128—International coöperation. 2 hours. Professor STOWELL

221—History of diplomacy. 2 hours. Professor MOORE

223–224—International law. 2 hours. Professor MOORE

321–322—Seminar in international law. 2 hours. Professor MOORE

203–204—Municipal science and administration. 2 hours. Professor McBAIN

207—Administrative law: Public officers. 2 hours. Professor POWELL

209—Law of taxation. 2 hours. Professor POWELL

208—The law of municipal corporations. 2 hours. Professor POWELL

301–302—Seminar in constitutional and administrative law. Professors BEARD, POWELL, and McBAIN

Roman Law and Jurisprudence

161—Elements of law. 2 hours. Professor MUNROE SMITH

263—Roman law. 3 hours. Professor MUNROE SMITH

266—History of European law. 3 hours. Professor MUNROE SMITH

268—Modern Civil law of western Europe. 3 hours. Professor MUNROE SMITH

269—Conflict of laws. 2 hours. Professor J. B. MOORE

361–362—Seminar in legal history. 1 hour. Professor MUNROE SMITH

363–364—Seminar in comparative jurisprudence. Professor MUNROE SMITH

Equipment

In addition to excellent working collections of constitutions, codes, session laws, judicial decisions, government reports, legal treatises, transactions of legal societies, and law journals of the principal foreign countries as well as of the United States, the Library of Columbia University offers special advantages to students of politics, public law, and comparative jurisprudence in the collections of Henry Livingston Thomas, late chief translator to the Department of State, of the Holland Society of New York, and of the Reform Club of the City of New York, of which the Columbia Library is the depository. The materials thus furnished are richly supplemented by those in the libraries of public institutions, learned societies, and civic organizations, particularly the Hispanic Society of America, with its unique collection of materials relating to the history, institutions,

and culture of Spain, Portugal, and Latin America, the Bar Association, and the Law Institute. To these libraries advanced students have access under favorable conditions.

Lectures of special interest to students of politics and jurisprudence are maintained by specific endowments, such as the Beer lectures in political science, the Blumenthal lectures in politics, and the Carpentier lectures in law. Some of these lectures are given by distinguished foreigners, others by men prominent in public life in the United States.

MANUAL TRAINING

(See Industrial Arts)

MATERIA MEDICA (see page 166)

MATHEMATICS

See introductory paragraphs, page 71

Professors: COLE, FISKE, FITE, HAWKES, KASNER, KEYSER (*Executive Officer*), MACLAY, MITCHELL (H. B.), and SMITH (D. E.)

Assistant Professors: GROVE, SICELOFF and UPTON

Instructors: CURTIS, FISCHER, GRAVES, MULLINS, and REDDICK

Assistants: BIRD and MCMACKIN

A1 or A4—Plane trigonometry and algebra. 2 points. Professors GROVE and SICELOFF, Dr. REDDICK, and Dr. GRAVES

A2 or A3—Solid geometry. 3 points. Professors HAWKES and SICELOFF, Dr. REDDICK, and Dr. GRAVES

1 or 2—Algebra. 3 points. Professors HAWKES, GROVE and SICELOFF, Dr. GRAVES, and Dr. FISCHER

3 or 4—Analytical geometry. 3 points. Professors MITCHELL, GROVE and SICELOFF, Dr. GRAVES, and Dr. FISCHER

12—Mathematics of statistics. 3 points. Professor GROVE

13—Differential equations. 3 points. Professor MITCHELL

14—Higher algebra. 3 points. Dr. REDDICK

10–11 or 15–16—Differential and integral calculus. 3 points. Professors KEYSER, FISKE and MITCHELL, and Dr. REDDICK

18—Advanced calculus. 3 points. Professor FITE

[19—Projective geometry. Dr. FISCHER]

20—Fundamental concepts in mathematics. 3 points. Professor FISKE

21—Applications of the Calculus to geometry. 3 points. Professor SICELOFF

65—Integral Calculus, and 67–68—Differential and integral calculus. 5 points. Professors MACLAY, MITCHELL, FITE, GROVE and SICELOFF, Dr. REDDICK, Dr. GRAVES and Dr. FISCHER

75–76 or 78–79—Differential and integral calculus. 4 points. Professors HAWKES and FITE, and Dr. REDDICK

[161–162—Modern theories in geometry. Full course and half-course, each half-year. Professor KEYSER]

163–164—Theory of Functions. Full course and half-course, each half-year. Professor MACLAY

[165–166—Differential equations. Full course and half-course, each half-year. Professors FISKE and KASNER]

167–168—Algebra. Full course and half-course, each half-year. Professor COLE

175—Differential Geometry of curves. Full course. Professor HAWKES

177—Mathematical theory of statistics. Full course. Professor GROVE

226—Integral equations. Half-course. Professor KASNER

227—Calculus of variations. Full course. Professor FITE

[151–152—History of mathematics. Lectures and collateral reading. Full course, each half-year. Professor SMITH]

312—Theory of Point Sets. Full course. Professor FISKE

345–346—Seminar in differential geometry. Full course, each half-year. Professor KASNER

[351–352—History of Mathematics. Full course, each half-year. Professor SMITH]

361–362—Philosophy of Mathematics. Full course, each half year. Professor KEYSER

Summer

sX—Elementary algebra. 2 points. Dr. FISCHER

sY—Plane geometry. 2 points. Mr. MULLINS

sA1—Logarithms and trigonometry. 2 points. Dr. REDDICK and Mr. MULLINS

sA2—Solid geometry. 2 points. Professor SICELOFF, Dr. FISCHER, and Mr. MULLINS

s3—Analytical geometry. 3 points. Professors SICELOFF and GROVE

s1—Algebra. 2 points. Professor GROVE and Dr. FISCHER

s15—Calculus: first part. 3 points. Professors GROVE and SICELOFF

s16—Calculus: second part. 3 points. Dr. REDDICK

s102—Modern theories in geometry. Full course. Professor KEYSER

s112—Higher algebra. Full course. Professor FITE

s115—History and significance of central mathematical concepts. Full course. Professor KEYSER

s121—Differential equations. Full course. Professor FITE

s201—Theory of functions of a real variable. Full course. Professor MACLAY

s203—Theory of functions of a complex variable. Full course. Professor MACLAY

esX—Algebra, elementary and intermediate. 2 points. Mr. MCMACKIN

esY—Plane geometry. 2 points. Mr. MCMACKIN

Extension

eX1—Algebra, elementary and intermediate course. First half-year. Mr. NOWLAN

eY1—Plane geometry. First half-year. Mr. MCMACKIN

eX2—Algebra. Course eX1 repeated. Second half-year. Mr. MCMACKIN

eX3—Algebra. Intermediate course. Mr. MCMACKIN

eY2—Plane geometry. Course eY1 repeated. Second half-year. Mr. NOWLAN

eA1—Trigonometry and algebra. 2 points. First half-year. Mr. CURT

eA3—Solid geometry. 3 points. Mr. CURT

eA4—Trigonometry and algebra. Course eA1 repeated. 2 points. Mr. BELCHER

eA6—Solid geometry. eA3 repeated. 3 points. Mr. CURT

e1—Algebra. 3 points. Mr. CURT

e2—Algebra. e1 repeated. 3 points. Mr. CURT

e3—Analytical geometry. 3 points. Mr. NOWLAN

e4—Analytical geometry. Course e3 repeated. 3 points. Mr. NOWLAN

e15–16—Calculus. 3 points each half-year. Mr. NOWLAN

e75–76—Calculus. 4 points each half-year. Mr. BELCHER

Barnard College

A1, A2—Trigonometry, algebra and geometry. 3 hours. Dr. CURTIS, Dr. FISCHER, and Mr. MULLINS

21—Analytical geometry. 3 hours. Professor KASNER

22—Calculus, short course. 3 hours. Professor KASNER

23–24—Theory of equations. 3 hours. Dr. CURTIS

25–26—Calculus. 3 hours. Professor COLE

27–28—Projective geometry. 3 hours. Mr. MULLINS

[32—Advanced analytical geometry. 3 hours. Dr. CURTIS]

33–34—The fundamental concepts of modern mathematics. 3 hours. Professor KASNER

[35—General introduction to higher mathematics. 3 points. Professor KASNER]

Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped reading-room, 108 Library, in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals.

The laboratory equipment of the department has been greatly increased. Recent acquisitions of mathematical models and instruments include the famous collections of Wiener and Schilling. Room 503 Fayerweather has been set apart as a mathematical laboratory and model room.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through the high school, together with various instruments for mechanical computation, including a Stanley arithmometer. The large collection of instruments, autographs, portraits, and other material illustrating the historical development of mathematics, the property of Professor Smith, is placed at the disposal of the students, as is his extensive library on the history and teaching of the subject. Arrangements may be made by which advanced students in the history of mathematics may have access to the library of George A. Plimpton, Esq., which is particularly rich in manuscripts, incunabula, and sixteenth-century works on the subject. The department has a large collection of stereopticon slides illustrating many important manuscripts and early works from this and other libraries.

MECHANICAL ENGINEERING

See introductory paragraphs, page 71

Professors: LUCKE (*Executive Officer*) and RAUTENSTRAUCH
Assistant Professors: PARR, PRESTON, THURSTON and THOMAS (C. W.)
Associates: HALSEY, LONGACRE, NICKEL and MOSS
Instructors: HERRICK and WILLHÖFFT
Assistant: EDDISON

11–12—Steam-power machinery. 3 hours, and 1 afternoon second half-year. Professors LUCKE, PRESTON and WILLHÖFFT

13–14—Steam-power machinery, shorter course. 3 hours. Professors LUCKE and PRESTON

17–18—Engineering thermodynamics. 2 hours. Professors LUCKE and THURSTON

19–20—Engine design. 3 hours and 2 afternoons. Professor RAUTENSTRAUCH and Mr. MOSS

21—Gas-power machinery. 4 hours and 1 afternoon. Professors LUCKE and THURSTON

25–26—Steam-power. 2 hours and 1 afternoon first half-year, and 2 hours and 2 afternoons second half-year. Professor PRESTON

31–32—Standard tests and research methods. 1 hour and 1 afternoon. Professor PARR and Mr. EDDISON

33—Standard tests and research methods—Continuation of Course 31–32. 2 hours and 1 afternoon. Professor PARR and Mr. EDDISON

35–36—Kinematics of machinery. 1 afternoon. Professor THOMAS

37—Machine design, short course for students in Chemical Engineering. 1 hour and 2 afternoons. Mr. MOSS

39–40—Machine design. 3 hours and 1 afternoon, first half-year, 2 hours and 2 afternoons, second half-year. Professor RAUTENSTRAUCH and Mr. MOSS

41—Machine design. Short course for students in Civil and Electrical Engineering. 1 hour and 1 afternoon. Professor THOMAS

42—Mill machinery. 1 hour. Mr. Moss

45 or 46—Water-power machinery. 3 hours. Mr. Herrick

50 or 53—Steam turbines. 3 hours. Professor Preston

52—Organization and management. 3 hours. Professor Rautenstrauch

54—Shop processes: tools and time study. 2 hours. Mr. Halsey

56—Water-power installations. 1 hour. Mr. Herrick

59—Empiric design. 2 hours and 1 afternoon. Professor Thomas

60—Hydraulic laboratory. 1 afternoon first half of second half-year. Mr. Herrick

63—Hydraulic laboratory. 1 afternoon. Mr. Herrick

64—Air machinery. 2 hours. Mr. Longacre

66—Elevators and conveyors. 1 hour. Mr. Moss

70—Pumping machinery. 2 hours. Mr. Nickel

72—Gas-power machinery—Selections from **22**. 2 hours and 1 afternoon. Professor Thurston

74—Gas-power machinery—Selections from **22**. 2 hours. Professor Thurston

76–77—Standard tests—Selections from **31–32, 33**. Professor Parr and Mr. Herrick, Mr. Willhöfft and Mr. Eddison

78—Kinematics—Selections from **36**. 1 afternoon. Professor Thomas

80—Experimental mechanical laboratory. 1 hour and 1 afternoon. Professor Parr

94s—Shop and factory, second summer work. Professor Thomas

96s—Steam-power plant, third summer work. Professor Preston

97—Mechanical apparatus for chemical factories. 5 hours for 10 weeks in first term. Professor Thomas

Equipment

This department is equipped with lecture-rooms, collections of models and specimens to illustrate the lectures, and drafting-rooms provided with blue-prints, photographs, and catalogues of standard and special machinery supplied by manufacturers. Excellent facilities are also at hand for the prosecution of experimental work. The experimental equipment includes all the standard and many special forms of measuring instruments, and a large collection of full-size standard machinery, covering practically every important class.

METALLURGY

See introductory paragraphs, page 71

Professors: Walker (*Executive Officer*)
Associate Professor: Campbell
Assistant Professors: Hall and Kern
Assistant: Wood

81 or 182—Assaying—Ores and metallurgical products. 2 hours and 3 afternoons. Professor Hall

101—General metallurgy. 3 hours, first half of term. Professor Kern

111—Metallurgy of copper. 3 hours, second half of term. Professor KERN

118—Metallurgy of copper—Advanced course. 1 hour. Professor KERN

122—Metallurgy of lead, silver, gold, and zinc. 3 hours. Professor WALKER

128—Metallurgy of lead, etc.—Advanced course. 1 hour. Professor WALKER

131—Metallurgy of iron and steel—Shorter course. 1 hour. Professor CAMPBELL

134—Metallurgy of iron and steel—Longer course. 2 hours. Professors WALKER and CAMPBELL

138—Metallurgy of iron and steel—Advanced course. 1 hour. Professor CAMPBELL

141—Electrometallurgy—1 hour. Professor KERN

148—Electrometallurgy—Advanced course. 1 hour. Professor KERN

151—Constitution and properties of alloys. 2 hours. Professor CAMPBELL

155–156—Metallography of iron, steel, and industrial alloys. 1 hour and 1 afternoon. Professor CAMPBELL

158—Advanced course on constitution and property of alloys. 1 hour. Professor CAMPBELL

62s—Summer course in non-ferrous metallurgy. Professor KERN

64s—Summer course in ferrous metallurgy. Professor CAMPBELL

66s—Summer course in non-ferrous metallurgy. Professors WALKER and KERN

82s—Summer school in assaying. Professor HALL

72—Metallurgical laboratory. 10 consecutive afternoons. Professors CAMPBELL and KERN

171–172—Metallurgical laboratory. 5 afternoons. Professors CAMPBELL and KERN

173–174—Advanced metallurgical laboratory. Professors CAMPBELL and KERN

175—Metallurgical investigation. 1 hour. Professor WALKER

77—Metallurgical plant construction. Professor WALKER

201–202—Special courses in pyrometry, the microstructure of metal and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation. Professors WALKER, CAMPBELL and KERN

METALLURGICAL EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting, copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

Equipment

The special equipment of the department contains many large lecture diagrams and bromide enlargements showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations. There is also a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

Non-Ferrous and Electrometallurgical Laboratory—A. For wet and dry metallurgy, the extraction, refining, and alloying of the non-ferrous metals, there are ore-roasting furnaces; gas-fired crucible furnaces; assay muffle furnaces; a high temperature forge; leaching plants; a filter press; amalgamating pans; a chlorinating barrel; ball mills; desilverization kettles; and pyrometers. B. For electrometallurgy, the electrical recovery, deposition, refining, and alloying of metals, there are storage batteries; a 30 K.W. motor-generator set for supplying direct current at high amperage and a range up to 25 volts; electrolytic refining vats; small electric furnaces of the Moissan arc, Borchers arc and resistance types; and large experimental melting, smelting, and refining furnaces.

Iron and Steel Laboratory is equipped with electric and double muffle gas furnaces especially designed for this laboratory, in which a number of full-sized tensile test bars may be heated simultaneously to any temperature up to 1300° C., with uniformity and precision; gas crucible furnaces; gas forges; special furnaces; and small power-driven rolls for studying the influence of the conditions of rolling on the properties of metals.

The Metallographic Laboratories, for the microscopic and pyrometric study of metals, mattes, speiss, slags, ores, etc., have microscopes of the Leitz, Le Chatelier, and other types; equipment for illumination and photography; electric resistance furnaces of different types; portable gas furnaces; and pyrometers. The metal-working shop has power-driven machines for cutting specimens, etc.

The Assay Laboratory has for its main equipment thirty-six gas-fired muffle furnaces, with a corresponding number of desks, which are arranged in rows with a furnace facing each desk. There are, also, a sufficient number of coke pot, coal muffle and gasoline furnaces for the student to become familiar with these types. The usual balance, grinding, and cupel rooms are provided.

The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

The Metallurgical Department has a special metallurgical library of about sixteen hundred volumes, located in the School of Mines Reading Room.

MINERALOGY

See introductory paragraphs, page 71

Professor: MOSES (*Executive Officer*)
Assistant Professor: LUQUER
Instructor: GARDNER
Assistant: GREENLAND

1–2—Descriptive and determinative mineralogy. 3 hours lectures. 2 afternoons laboratory, first term; 3 hours lectures, 1 afternoon laboratory, second term. Professors MOSES and LUQUER, Mr. GARDNER, and Mr. GREENLAND

3–4—General mineralogy. 2 hours lectures, 1 afternoon laboratory. Mr. GARDNER

5—The minerals of building-stones. 2 hours lectures, and 1 afternoon laboratory. Professor LUQUER and Assistants

6—Optical mineralogy—minerals in rock sections. 2 afternoons laboratory for two months. Professor LUQUER and Assistants

7–8—Descriptive and determinative mineralogy. 3 hours lectures, 1 afternoon laboratory. Professor MOSES and Assistants

10—Mineralogy and crystallography. 2 hours lectures, 1 afternoon laboratory. Professor MOSES

14—Mineralogy. The Sight Recognition and Determination of the common rock-forming minerals and the great ores. 2 hours lectures, 1 afternoon laboratory. Professor MOSES.

15–16—Mineralogy—Minerals important in the chemical industries. 1 afternoon laboratory. Professor MOSES and Assistants

105—Crystallography and Optical Mineralogy. 2 hours lectures, 1 afternoon laboratory. Half course. Professor LUQUER

207–208—Optical mineralogy. 1 hour lecture, 1 afternoon laboratory. Two half courses. Professor LUQUER

209–210—Physical crystallography. 1 hour lecture, 1 afternoon laboratory. Two half courses. Professor MOSES

211–212—Mineralogy—Study of assigned subject. 12 hours per week for 2 years. Two full courses. Professor MOSES

Summer

S1—Common minerals. Lectures and laboratory practice. 3 points. Professor MOSES

S2—Gems and gem minerals. 3 points. Lectures and laboratory practice. Professor MOSES

ES2*a*—Gems and gem minerals. 3 points. Professor MOSES. Evening course

S102—Crystals. Lectures. Half course. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal

models and minerals and several thousand unlabeled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, 1500 crystal models in wood and glass, and a Departmental Library of 1300 volumes. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labeled specimens, and includes a systematic collection; an economic collection of ores, building materials, and minerals used in chemical industries; and smaller collections illustrating: gems and ornamental stones; crystals; the genesis and alteration of minerals; the characters of minerals; artificial minerals and New York City minerals.

MINING

See introductory paragraphs, page 71

Professors: MUNROE (*Executive Officer*) and PEELE
Assistant Professor: KURTZ
Instructor: JUDD
Lecturers: Mr. W. L. WAGNER and Mr. C. D. CLARK

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 2 hours. Professor PEELE

53—Excavation, tunnelling, boring, and shaft-sinking. Condensed from courses **51** and **52** for students in Civil Engineering. 2 hours. Mr. JUDD

54—Exploration, development, and methods of working. 3 hours. Professor MUNROE

56—Mine engineering. 3 hours. Professor MUNROE

71–72—Mine plant. 3 hours. Professor PEELE

73—Mine constructions. 1 hour. Professor PEELE

75—Design of mine plant. 4 afternoons. Professor PEELE and Mr. JUDD

77–78—Graduating thesis or project. Professor PEELE

81—Ore dressing, milling, and the mechanical preparation of coal. 4 hours. Mr. JUDD

82—Ore-dressing laboratory. Afternoon work for three weeks. Professor MUNROE and Mr. JUDD

91—Mine administration. 2 hours. Mr. WAGNER and Mr. CLARK

58—Summer class in mine surveying. 1 week. Professor MUNROE and Mr. JUDD

59—Summer course in practical mining. 6 weeks. Professor PEELE and Mr. JUDD

The summer course includes four to five weeks detailed study of the plant and methods of working at some important mine or mines selected

for the purpose; and one to two weeks of excursions to other mines and mining regions. Arrangements are also made by which students in small groups may substitute, for the above, independent study at different mines under the general direction of the department.

Special courses, consisting of personal instruction, reading, and experimental investigations, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary according as the student is a candidate for the degree of A.M. or Ph.D. and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 20 hours a week (outside reading and study included) if taken as a major subject, and about 10 hours a week if taken as a minor subject. The following may be offered as a minor for the degree of A.M. by students who have had the appropriate prerequisites.

101–102—Mining and ore dressing—Mining 54, 81, and 82. 4 hours, with laboratory work and reading as required. Double course.

Under the regulations for the degrees of A.M. and Ph.D. the following courses may be offered by graduate students who have had all the undergraduate courses in Mining or their equivalent:

201–202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203–204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

207–208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

213–214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

Equipment The lecture courses on mining are illustrated by sets of books containing blue-prints from negatives made for the purpose. There are a sufficient number of these books to enable each student to have the use of one or more for reference during the lectures and for home study. Wall diagrams and large working blue-prints are also used for lecture illustration, supplemented by lantern slides when necessary.

The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, the School of Mines contains a reference library of mining and metallurgical books and periodicals, accessible to students at all times.

The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

The basement and sub-basement of the School of Mines are equipped as laboratories for the Department of Mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within one hundred miles of New York City may be studied examples of the best practice in mining and metallurgy under varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the Summer Class in Mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah and California.

The metropolitan situation of the School renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers and more detailed information as to the courses offered and as to the facilities of instruction will be found in the current *Announcement of the Schools of Mines, Engineering, and Chemistry.*

MUSIC

See introductory paragraphs, page 71

Professor: HALL (W. H.), RUBNER (*Executive Officer*)
Associate Professor: FARNSWORTH
Assistant Professor: MASON
Associate: WARD
Lecturers: CADY, DARCHBACH, KRAFT, LAMOND

1–2—History of music. 2 hours. Professor MASON

3–4—History of music. 2 hours. Professor MASON

7–8—Harmony. 3 hours. Mr. WARD

9–10—Advanced harmony and elementary form. 2 hours. Prof. MASON

11–12—Counterpoint. 2 hours. Mr. WARD

13–14—Composition and orchestration. 2 hours. Professor RUBNER

31–32—University orchestra. 2 hours. Professor RUBNER and EDWARD B. MANNING

101–102—Advanced composition and orchestration. 2 hours. Professor RUBNER

103–104—Orchestration and Symphonic form. 2 hours. Professor RUBNER

Summer sX—Chorus. WALTER HENRY HALL

s1–2—History and appreciation of music. 2 points. Professor COLE

s7–8—Harmony. 2 points. Professor COLE

s10—Counterpoint. 2 points. Professor COLE

s35—Sight-singing, its history and psychology. 2 points. Mr. BECKER

Extension e7–8—Elementary harmony. 2 points. Mr. WARD

e8*a*—Elementary harmony. 2 points. Starting in February. Mr. WARD

e33–34—University chorus. 2 points. Mr. HALL

e53–54—Introductory harmony. 2 points. Mr. KRAFT

Twenty-nine courses in teaching and supervision and technic of music and speech are offered at Teachers College. (See current *Announcement of School of Practical Arts.*)

Equipment A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The private library of the Anton Seidl, consisting of 1220 scores, was presented to the University and has been placed in the rooms of the School of Music. Also the great library of Dr. James Pech comprising thousands of scores in all forms of composition. The department has also a collection of instruments for the use of students participating in the University Orchestra.

The Department of Music offers two annual recitals of original compositions by students in the department, and the regular concerts of the University Orchestra and the University Chorus.

The Institute of Arts and Sciences offers numerous concerts and recitals. See special bulletin.

NATURE STUDY

Five courses in nature study for elementary and high schools are offered under the auspices of Teachers College. For details see the current *Announcement* of School of Education. (See also Botany and Zoölogy.)

NEUROLOGY

See introductory paragraphs, page 71

Professor of Neurology: STARR (*Executive Officer*)

Associate Professor: TILNEY
Assistant Clinical Professor: GOODHART
Associate: GREGORY
Instructors: E. L. HUNT and CASAMAJOR
Clinical Assistants: Neurology—MACUMBER, POU, BOEHME, SHARPE (WILLIAM), NICHOLS, SHARPE (NORMAN), BROWN, ARONSON, BLAKESLEE, O'NEIL, LEAHY, CORNWELL, GOTTBRATH

Courses 201–202 and 205 are open to candidates for the degree of A.M. or Ph.D.

201–202—Neurology: The diseases of the nervous system. 1 hour. Professor STARR

203–204—Clinical lectures in neurology, including diseases of the mind. 1 hour. Professors STARR and TILNEY

205—Psychiatry. 1 hour. Professor TILNEY

207–208—Practical instruction in the methods of examination of nervous patients, electro-diagnosis and electro-therapeutics. 2 hours. Professor TILNEY

209–210—Practical instruction in the methods of examination of insane patients. 1 hour. Dr. GREGORY

211–212—The regional diagnosis of nervous diseases. 2 hours. Dr. CASAMAJOR. Clinics at the City Hospital. Dr. E. L. HUNT

The laboratory of the Neurological Department is in possession of numerous models and casts of the brain and spinal cord; of more than 500 lantern slides illustrating the pathology of nervous diseases; and of a large collection of microscopic slides and of gross specimens. There are two laboratory workers constantly employed.

NURSING AND HEALTH

Eighteen courses in Nursing and Health are offered under the direction of Teachers College. For details see the current *Announcement of the School of Practical Arts.*

OBSTETRICS

See introductory paragraphs, page 71

Professors: CRAGIN (*Executive Officer*) and PAINTER
Associate Professor: VOORHEES
Associate: COLIE
Instructor: ENGELSON

102—Recitations and demonstrations in obstetrics. 2 hours. Professor VOORHEES

210—The theory and practice of obstetrics. 3 hours. Professor CRAGIN

203–204—Practical instruction in obstetrics. Dr. ENGELSON

205–206—Out-patient service in obstetrics. Professor PAINTER and Dr. COLIE

ORIENTAL LANGUAGES

See introductory paragraphs, page 71

Chinese

Professor: HIRTH

Courses 101–102, 103–104, and 105–106, are open to Seniors in Columbia College

[101–102—Elementary course—Study of Chinese characters and language. Two full courses. 3 hours. Professor HIRTH]

[103–104—Beginners' course in the Mandarin dialect. 2 hours. Two half courses. Professor HIRTH]

105–106—History, language, literature, government, art, and social life of the Chinese. For students who need not study the language. 2 hours. Two half courses. Professor HIRTH

201–202—Analysis and translation of easy documents written in the Chinese modern business style. Two full courses. 2 hours. Professor HIRTH

203–204—Analysis and translation of easy literary texts. 2 hours. Two full courses. Professor HIRTH

[205–206—Helps and keys in Chinese literature. 2 hours. Two full courses. Hours to be arranged. Combined with 203–204. Professor HIRTH]

301–302—Seminar for the study of Chinese government matters. Two half or two full courses. Hours to be arranged. Professor HIRTH

303–304—Seminar for historical studies in Chinese literature. Hours to be arranged. Two half or two full courses. Professor HIRTH

[305–306—Seminar for the study of Chinese art, industry, and general culture. Hours to be arranged. Two full courses or one full course. Professor HIRTH]

Indo Iranian

Professor: JACKSON

Lecturer: YOHANNAN

101—Sanskrit, first course. Grammar and reading of texts. Double course. Professor JACKSON

102—Sanskrit, second course. Reading of texts. Double course. Professor JACKSON

103—Avestan, first course. Grammar and reading of texts. Full course. Professor JACKSON

104—Avestan, second course. Reading of texts. Full course. Professor JACKSON

105—Sanskrit, advanced course. Full course. Professor JACKSON

106—Sanskrit, advanced course. Full course. Professor JACKSON

107–108—Modern Persian, introductory course. Two full courses. Dr. YOHANNAN

109–110—Modern Persian, second course. Two full courses. Dr. YOHANNAN

115—History of India and of Persia. Half or full course. Professor JACKSON

201–202—Avestan, advanced course. Two full courses. Professor JACKSON

203–204—Pali, elementary c urse. Two half courses. Professor JACKSON

205—Old Persian cuneiform inscriptions. Half course. Professor JACKSON

206—Pahlavi, introductory course. Half course. Professor JACKSON

207–208—Sanskrit literature. Two half courses. Professor JACKSON

209—Zoroastrian Gathas. Full course. Professor JACKSON

210—Zoroaster and Buddha, their life and teachings. Half course. Professor JACKSON

211–212—Modern Persian, second-year course. Two full courses. Dr. YOHANNAN

301–302—Indo-Iranian seminar. Two full courses. Professor JACKSON

Armenian

[213–214—Principles of Armenian grammar with selected readings. Two full courses. Dr. YOHANNAN]

Turkish

215–216—Principles of Turkish grammar. Two full courses. Dr. YOHANNAN

217–218—Advanced course in Turkish. Two full courses. Dr. YOHANNAN

[219–220—Exercises in Turkish conversation and in the reading of Turkish newspapers. Two half courses. Dr. YOHANNAN]

Science of Language

111–112—Introduction to the study of language. Two full courses. Professor JACKSON, in co-operation with Professors BOAS (American languages), GOTTHEIL (Semitic), HIRTH (Chinese), KRAPP (English), LODGE (Latin), PERRY (Greek), PRINCE (Sumerian and Egyptian), REMY (Germanic and special linguistic phenomena), STURTEVANT (Italic), THOMAS (Germanic), TODD (Romance), WOODWORTH (linguistic pathology)

[113–114—Types of language. Two full courses. First half-year: Indo-European and Semitic languages. Second half-year: American and Central and Eastern Asiatic languages. The Professors of the various departments concerned]

Semitic

Professors: GOTTHEIL (*Executive Officer*) and PRINCE
Lecturers: HITTI and VANDERBURGH

101–102—Biblical Hebrew, elementary course. 2 hours. Professor GOTTHEIL and Mr. HITTI

103—Biblical Hebrew, second course. Daniel. 2 hours. Professor PRINCE

103A—Biblical Hebrew, second course. Unpointed Hebrew. Professor GOTTHEIL

104—Biblical Hebrew, third course. Isaiah I–XL. 2 hours. Professor GOTTHEIL

105—Biblical Hebrew, fourth (lecture) course. Semitic Archaeology and its bearings upon the study of the Bible. 2 hours. Professor GOTTHEIL

Union Theological Seminary

1-2—History, literature, and religion of the Old Testament in outline. Professor BROWN. 2 half courses. 2 hours.

11—Introductory Hebrew. Full course. 5 hours. Professor FAGNANI

12—Readings in Genesis and Exodus. Full course. 2 hours. Professor FAGNANI

13—Readings in Samuel. Half course. 2 hours. Professor BEWER

14—Biblical Aramaic. 1 hour. Professor FAGNANI

24—Exegetical Class: Job. Half course. 2 hours. Professor BEWER

28—Rapid Reading of Judges. Half course. 2 hours. Professor BEWER

29–30—Book of Isaiah. 2 half courses. 2 hours. Professor BEWER

37—Exegetical Class: Psalms. Half course. 2 hours. Professor BEWER

73—History of Israel during and after the exile. Half course. 2 hours. Professor BEWER

83–84—The Teachings of the Prophets. 2 half courses. 2 hours. Professor BROWN

95–96—Seminar: Ezekiel. 2 half courses. 2 hours. Professor BEWER

106—Textual criticism of the Old Testament. Half course. 2 hours. Professor BEWER

Rabbinical Hebrew

107–108—Selected Readings from the Mishnah. 2 hours. Professor GOTTHEIL

109–110—Selected readings from the Hebrew Historical Writers of the Middle Ages. 2 hours. Professor GOTTHEIL

201—Lectures on Post-Biblical Hebrew Literature. 2 hours. Professor GOTTHEIL

Epigraphy

[203—Interpretation of the Phoenician inscriptions, with an introduction to Semitic palaeography and the history of the alphabet. 2 hours. Professor GOTTHEIL]

[204—Interpretation of the Aramaean scriptions. 2 hours. Professor GOTTHEIL]

[205—Interpretation of the Sabaean and Himyaritic inscriptions con-

tained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL.]

111—Elementary course. 2 hours. Professor PRINCE

Assyrian

112—Second course—Study of the Syllabary with readings from Delitzsch's *Assyrische Lesestücke* (4th ed., 1901). 2 hours. Professor PRINCE

209—Third course—Study of texts. 2 hours. Professor PRINCE

209A—Third course—Readings from Babylonian texts. Dr. VANDERBURGH

210—Fourth course—Study of iv Rawlinson. 2 hours. Professor PRINCE

210A—Readings from Bilingual texts. 1 hour. Dr. VANDERBURGH

211—Advanced course—Sumerian Lexicography. Susian texts. 2 hours. Professor PRINCE

212—Advanced course—Sumerian hymns from cuneiform texts in the British Museum. 2 hours. Professor PRINCE

Arabic

113—Elementary course. 2 hours. Mr. HITTI

114—Second course. 2 hours. Mr. HITTI

213—Advanced course—Selections from Ibn Khaldun. 2 hours. Professor GOTTHEIL.

214—Advanced course—Selections from the Sahih of al-Bukhari. 2 hours. Professor GOTTHEIL.

215–216—Modern Arabic, Dialect of Egypt. Professors GOTTHEIL and PRINCE

Syriac

115—First course. 2 hours. Mr. HITTI

116—Second course. 2 hours. Mr. HITTI

117—Third course. 2 hours. Professor GOTTHEIL.

118—Fourth course. 2 hours. Professor GOTTHEIL.

Ethiopic

216–217—Principles of the grammar, and reading of extracts. Professor GOTTHEIL.

History

119—The ancient history of western Asia from the earliest times until the period of Cyrus the Persian. Professor PRINCE

This course is identical with History 109

120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL.

This course is identical with History 104

[122—Political and social evolution of modern Turkey and Egypt. 2 hours. Professor GOTTHEIL.]

This course is identical with History 154

Semitic Seminar

301–302—Study of current questions in Semitic philology and history with especial reference to modern methods of research. Professors GOTTHEIL and PRINCE

218—Elementary course in Coptic. 1 hour. Professor PRINCE

Egyptian

[219—Egyptian hieroglyphs and advanced Coptic. Professor PRINCE]

PATHOLOGY

See introductory paragraphs, page 71

Professor: MACCALLUM (*Executive Officer*)
Assistant Professors: PAPPENHEIMER and LARKIN
Associates: LAMBERT, R. A.
Instructors: LAMB, DEMPSEY, TERRY and SITTENFIELD
Assistants: FIELD and STILLMAN, HOWE, SEIDLER, MCKENZIE, RILEY

Courses 101–102, 105–106, 107, 201–202, and 251–252 are open to candidates for the degree of A.M. or Ph.D. Courses 101–102, 105–106, 107, 113–114, 201–202, 203, 205, and 251–252 are open to graduates in medicine.

101–102—General and special pathology. 3 hours, first half, and 9 hours, second half of second year. *C. L.* Professors MACCALLUM and PAPPENHEIMER, and Dr. LAMBERT, and others.

103–104—Conference in pathology. 1 hour. Professor MACCALLUM

105–106—Gross pathological anatomy and attendance upon autopsies. 2 hours. Professors MACCALLUM and PAPPENHEIMER, and Drs. FIELD, LAMB, and others

107—Experimental pathology. 3 hours. Professor MACCALLUM

109–110—Microscopical study of autopsy material. 3 hours. Dr. LAMBERT

111–112—Conference on topics in pathology. 1 hour. Professor MACCALLUM

113–114—Clinical and pathological conference. $1\frac{1}{2}$ hours. *C. L.* Professors MACCALLUM and LONGCOPE, and Drs. PAPPENHEIMER and LAMB

201–202—Advanced pathology. The officers of the department

203—Pathology of liver. 2 hours. Dr. LAMBERT

204—Pathology of diseases of children. 2 hours. Dr. PAPPENHEIMER

205—Pathology of certain common diseases. 3 hours. Professors MACCALLUM and LONGCOPE

251–252—Research in pathology. Professor MACCALLUM and staff

Equipment

The department of pathology occupies the greater part of the fourth floor of the north building of the college, together with large class laboratories, amphitheater, photographic rooms, etc., on the fifth floor. On the fourth floor there are, besides the rooms devoted to the staff, large rooms with abundant desk room for special workers, several specially equipped operating rooms for aseptic experimental work, a small chemical laboratory, the museum, preparation rooms, cold storage, etc. Two rooms on this floor are occupied by the library, which is accessible to workers in this and related departments. The museum of pathology is used both for the instruction of medical students and as a place of deposit for specimens showing new or rare forms of lesion. On the roof there is commodious

accommodation for animals together with small special rooms for experimental work. The entire space is amply lighted, fully furnished and equipped with apparatus necessary for routine teaching and special research.

PHARMACY

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the Catalogue devoted to the College of Pharmacy will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

College Course

First Year

Physics—Lectures and recitations, Professor ARNY; laboratory, Professor ARNY and Mr. HOSTMANN. 2 points Junior

General and Pharmaceutical Chemistry—Lectures, Professor ARNY; recitations, Professor OEHLER. 3 points

Analytical Chemistry—Laboratory work and Theoretical course, Professor VORISEK; recitations, Dr. LESLIE. 3 points

Theory of Pharmacy—Lectures, Professor DIEKMAN; recitations, Mr. ROON. 3 points

Practical Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER and Mr. ROON. 2 points

Dispensing Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER. 1 point

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD. 2 points

Botany—Lectures, Professor RUSBY; recitations, Dr. BALLARD. 2 points.

Pharmacognosy—General laboratory course, Professor RUSBY; histological laboratory course, Professor MANSFIELD and Dr. BALLARD. $2\frac{1}{2}$ points

Posology and Toxicology—Recitations, Dr. BALLARD. $\frac{1}{2}$ point

University Course

First Year

Biology, Lecture and Laboratory course, Professor MANSFIELD. 5 points

Crystallography, Lecture and Laboratory—Professor ARNY. 1 point

Physics—Laboratory course, Professor ARNY and Mr. HOSTMANN. 1 point

College Course

Second Year

General Organic, Pharmaceutical and Medical Chemistry—Lectures, Professor ARNY; recitations, Professor OEHLER. 4 points Senior

Analytical Chemistry—Laboratory work, Professor VORISEK and Dr. LESLIE. 2 points

Practical Pharmacy—Lectures, Professor DIEKMAN; recitations, Professors DIEKMAN and WIMMER; laboratory course, Professors DIEKMAN and WIMMER and Mr. ROON. 6 points

Dispensing Pharmacy—Laboratory course, Professors DIEKMAN and WIMMER and Mr. ROON. 1 point

Materia Medica—Lectures, Professor RUSBY; recitations, Dr. BALLARD. $2^1/_2$ points

Toxicology—Lectures, Professor RUSBY; recitations Dr. BALLARD. $^1/_2$ point

Macroscopical Pharmacognosy—Laboratory, Professor MANSFIELD and Dr. BALLARD. $1^1/_2$ points

Microscopical Pharmacognosy—Laboratory course, Professor MANSFIELD and Dr. BALLARD. $1^1/_2$ points

University Course

Second Year

(Botany, Posology and Physiology of first-year, in lieu of Materia Medica, Toxicology and Pharmacognosy of second year, otherwise, same as college course.)

University Course

Third Year

Materia Medica, Toxicology and Pharmacognosy of second year, college course; Chemistry course, 10 points; Pharmacy course, 5 points

Food and Drug Courses

Graduate

Plant Analysis—Laboratory, Professor RUSBY. 1 point

Technical Microscopy—Laboratory, Professor MANSFIELD. $1^1/_2$ points

Bacteriology—Laboratory course, Professor JESSUP. $1^1/_2$ points

Inorganic Quantitative Analysis—Laboratory, Professor VORISEK. 6 points

Organic Analysis and Toxicology—Laboratory, Professor ARNY. 5 points

Equipment

Pharmaceutical Assaying—Lectures and laboratory work, Professors DIEKMAN and WIMMER and Mr. ROON. 5 points

Physiological Chemistry—Lectures, Professor GIES. 1 point

The College of Pharmacy is supplied with a full equipment, in all departments, independent of any of the other resources of the University.

The Library has been built up for the special purpose of supplying the needs of the pharmaceutical profession, both within and without the College. It contains some 5000 volumes and an extensive series of periodicals on Pharmacy, Chemistry and Botany, and is accessible, during the regular College hours, not only to members and students of the College but to the pharmacists of the City.

All lecture courses are fully supplied with charts, apparatus and materials for demonstrating the subjects taught. The Physics laboratory is well supplied with apparatus for students' practice, including a full set of crystal models and a goniometer.

In the chemical and pharmaceutical laboratories there is a separate desk, with locker, for each student, 150 working together, supplied with a full set of apparatus, reagents and materials. The laboratory in dispensing pharmacy, re-fitted during the summer of 1914, provides a separate desk and locker for each student, with every facility for securing a thorough training in prescription filling.

The bacteriological laboratory is supplied with apparatus for each student, enabling him to become proficient in identification of bacteria and the making of cultures.

In the botanical laboratory, each student is supplied with a complete set of dissecting material to illustrate the gross and microscopical structure of plants, and also with an excellent microscope for the study of cells and cell contents.

In pharmacognosy, each student receives a complete set of several hundred specimens of standard drugs, which he retains permanently.

A similar supply of specimens and microscopes is furnished for the study of all subjects in the course in general biology.

PHILOSOPHY AND PSYCHOLOGY

See introductory paragraphs, page 71

Professors: ADLER, CATTELL, DEWEY (*Executive Officer, Philosophy*), FULLERTON (absent on leave), LORD, MACVANNEL, MILLER (D. S.), SUZZALLO, THORNDIKE (E. L.), WOODBRIDGE and WOODWORTH (*Executive Officer, Psychology*)

Associate Professors: BUSH, JONES, MONTAGUE, NORSWORTHY, PITKIN

Assistant Professors: RUGER and HOLLINGWORTH

Instructors: COOLEY, COSS, MCCLURE, POFFENBERGER, and WHITLEY

Lecturers: OWEN, SLONIMSKY and CURTIS

Non-resident Lecturers: ANGELL, CLIFFORD and COHEN

Assistants: EVANS, MARTIN, MORGAN, PECKHAM, WILLIAMSON and Mrs. SAIT

A1–A2—Introductory Course. (Columbia College.) Principles of Science. Professors JONES and MILLES, Dr. MCCLURE, Dr. COOLEY, Mr. COSS, Dr. OWEN, Mr. CURTIS and Mr. LEVITT

Barnard College—First half-year, psychology; second half-year, logic. Professor MONTAGUE, Dr. HOLLINGWORTH and Dr. SLONIMSKY

School of Journalism—Professor PITKIN

9—Problems in philosophy. Professor MONTAGUE (Columbia)

21–22—Ethics. Professor LORD (Columbia and Barnard)

51–52—Ideals of Life in Modern Literature. Professor MILLER (Columbia)

61–62—History of philosophy. Professor WOODBRIDGE (Columbia), Professor MONTAGUE (Barnard)

79—Introduction to contemporary philosophy and metaphysics. Professor MONTAGUE (Barnard)

Conference Course. For qualified students in Philosophy 61–62, History 71–72 and English 21–22

[101–102—The foundations of philosophy. Two full courses. Not given 1914–1915]

103–104—Types of logical theory. Two full courses. Professor DEWEY

126—The revaluation of moral values. Full course. Professor ADLER

141–142—Aesthetics. Full course. Professor BUSH

175–176—Scholasticism. Two full courses. Father CLIFFORD

179–180—Present day philosophy and the philosophy of evolution. Two full courses. Professor MONTAGUE

181–182—Philosophy of education. Two full courses. Professor MACVANNEL

204—Metaphysics. Full course. Professor WOODBRIDGE

225–226—Social and political ethics. Two full courses. Professor ADLER

231–232—Psychological ethics. Two full courses. Professor DEWEY

281–282—Practicum—Philosophy of education. Two full courses. Professor MACVANNEL

292—(Same as Philosophy of education 210)—Philosophy and education in their historic relations. Full course. Professor DEWEY

Departmental conferences are held bi-weekly throughout the year. Candidates for the degree of A.M. or Ph.D. are expected to attend and participate

321–322—Joint seminar with the department of anthropology

Chemistry 209–210—The History of Chemistry. Two full courses. Dr. BARRY

Italian 137–138—Giordano Bruno. Two full courses. Professor LIVINGSTON

Education 207–208—Practicum educational sociology—Two full courses. Professor SUZZALLO

Mathematics 361–362—The philosophy of mathematics. Two full courses. Professor KEYSER

Jurisprudence 161—Elements of law. 3 hours. Professor MUNROE SMITH

History 121–122—The history of the intellectual class in Europe from the Greek sophists to the French philosophers. 3 hours. Professor ROBINSON

Economics 242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor SIMKHOVITCH

History 279—General history of political theories, ancient and medieval. 2 hours. Professor DUNNING

History 280—General history of modern political theories. 2 hours. Professor DUNNING

History 281—American political philosophy before 1850. 2 hours. Professor DUNNING

History 282—American political philosophy since 1850. 2 hours. Professor DUNNING

427–430—Ethics. Professor HUNT (at the General Theological Seminary)

Summer

sA1—Principles of science: methods, deductive and inductive logic. 3 points. Dr. BROWN

sA2—Principles of science: concepts and problems of philosophy. 3 points. Dr. MCCLURE

s21—Ethics. 3 points. Professor PERRY

s101—Foundations of philosophy. Full course. Dr. BROWN

s121—Ethical theory with reference to the theory of value. Full course. Professor PERRY

s161—History of ancient philosophy. Dr. MCCLURE

s162—The history of modern philosophy. Professor MONTAGUE

s164—History of Jewish philosophy. Full course. Dr. HUSIK

s165—Readings in Jewish philosophy. Full course. Dr. HUSIK

s179—Present day philosophy and the philosophy of evolution. Full course. Professor MONTAGUE

Religion 13—Philosophy of Religion. Half course. Professor HALL

Religion 14—Theism. Half course. Professor HALL

Religion 21—The Philosophy of Religion with special reference to Christianity. Full course. Professor HUME

Religion 24—The Truth of the Christian Religion. Full course. Professor HUME

Ethics 11–12—History of Christian ethics. Full course. Professor HALL

Ethics 45–46—The Philosophy and Ethics of Social Thinking. Full course. Professor HALL

Ethics 91–92—Seminar. Full course. Professor HALL

Extension

eA1 or eA4—Principles of science: methods, deductive and inductive logic. 3 points. Dr. BROWN

eA2 or eA5—Principles of science: concepts and problems of philosophy. 3 points. Dr. BROWN

e61–62—History of philosophy. 4 points. Dr. COOLEY

e79–80—Contemporary philosophy. 4 points. Professor MONTAGUE

Psychology

1–2—Elements of general psychology. Professor LORD

3–4—Experimental psychology, introductory course. Professor WOODWORTH and Dr. POFFENBERGER, assisted by Mr. WILLIAMSON

7–8—Experimental psychology, introductory course (Barnard). Professor HOLLINGWORTH

9–10—Experimental psychology, intermediate. Professor HOLLINGWORTH

11—Abnormal and applied psychology (Barnard). Professor HOLLINGWORTH

12—Analytic psychology (Barnard). Professor HOLLINGWORTH

45—Applied psychology. Dr. POFFENBERGER

101–102—Survey of modern psychology. Two full courses. Professor WOODWORTH

103–104—Experimental study of the intellectual processes. Two full courses. Professor WOODWORTH and Dr. POFFENBERGER

111–112—Experimental psychology, advanced course. Two half or two full courses. Professor CATTELL

113–114—Experimental psychology. Laboratory work. Two half or two full courses. Professor CATTELL and Mr. REJALL

117–118—Application of experimental and physiological psychology to education. Two half courses. Professor RUGER

119—Educational psychology. Full course. Professor NORSWORTHY

120*a*—The psychology of the elementary school subjects. Half course. Professor THORNDIKE

120*b*—The psychology of the secondary school subjects. Half course. Professor RUGER

120*c*—The applications of analytic and genetic psychology to education. Half course. Professor NORSWORTHY

121–122—The psychology of childhood. Professors NORSWORTHY and WHITLEY

123–124—The psychology and treatment of exceptional children. Two half courses. Professor NORSWORTHY and Dr. BISCH

131–132—Physiological psychology. Two full courses. Professor WOODWORTH

133–134—Laboratory course in physiological psychology. Two half courses. Dr. POFFENBERGER

135–136—Pathological psychology. Two full courses. Professsors STARR, PETERSON and WOODWORTH and Dr. HABERMAN

161–162—Advanced systematic psychology. Two full courses. Dr. POFFENBERGER

171[1]–172—The psychology of religion

202—Laboratory methods. Full course. Dr. POFFENBERGER

221–222—(Same as Education 221–222)—Educational psychology, advanced. Two full courses. Professor THORNDIKE

223–224—(Same as Education 223–224)—Practicum—Application of psychological and statistical methods to education. Two full courses. Professor THORNDIKE

251–252—Neurology and psychiatry. Professors STARR, PETERSON and HUNT, and Dr. HABERMAN

281–282—Seminar in psychology. Professors CATTELL and WOODWORTH

283–284—Research in psychology. Two half, two full, or two double courses. Professors CATTELL, WOODWORTH and HOLLINGWORTH and Dr. POFFENBERGER

301–302—Colloquium in psychology. Professor CATTELL

321–322—Seminar in educational psychology. Professor THORNDIKE

Summer

S1—Elements of psychology. 2 points. Professor WASHBURN and Dr. POFFENBERGER

S101—Survey of modern psychology. Half course. Professor WOODWORTH

S103 or S103*a*—Experimental psychology. Full or half course. Dr. POFFENBERGER

S131—Physiological psychology. Full course. Professor WOODWORTH

S135—Pathological psychology. Full course. Professor HOLLINGWORTH

S137 or 137*a*—The diagnosis and treatment of atypical children. Full or half course. Dr. BISCH

S141—Applied psychology. Half course. Professor HOLLINGWORTH

S165—Social psychology. Full course. Professor WASHBURN

S283 or S283*a*—Research course. Full or half course. Professor WOODWORTH

Extension

E1–2—Elements of psychology. 3 points. Professor HOLLINGWORTH

E3–4—Experimental psychology. 2 points. Mr. WILLIAMSON

E141–E142—Psychology of advertising. Half course. Dr. STRONG

E144—Laboratory work in advertising. Half course. Dr. STRONG

E145–146—Applied psychology. Half course. Dr. STRONG

Equipment

The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign,

[1] Union Theological Seminary.

dealing with philosophy or psychology. Duplicates of the more important psychological books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 25,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 17 West 43rd Street, which is open to students free of charge. The New York Public Library is available for students, when introduced by one of the instructors, on especially favorable terms.

The Psychological Laboratory in Schermerhorn Hall, besides the lecture-room and laboratories for introductory courses, contains ten rooms available for research work, some of them being specially constructed for particular sorts of psychological experiments. There is also a departmental library of the most important original literature of experimental psychology, and a well-equipped workshop in which much of the apparatus required for research or for laboratory courses is made by the aid of a skilled instrument-maker. The collection of apparatus includes that required for demonstration in courses in experimental and physiological psychology and for laboratory work in the same subjects; the outfit of an anthropometric laboratory with a full equipment for various forms of mental tests; an adding machine and other aids in statistical work; and apparatus that has been used or is being used in research.

PHYSICAL EDUCATION

See introductory paragraphs, page 71

Professor: WOOD (*Executive Officer*)
Associate Professor: MEYLAN
Assistant Professors: KEYES and WILLIAMS
Instructors: ELLIOTT and KIRKPATRICK
Assistants: HOLM, KENNEDY, WEEMAN, BLOOM, MASON, GOODMAN, SPRINGER, SPENCE, JENSEN, BUSH (A. M.), and LUFT

Hygiene 1–2—Lectures, quizzes, and reports on topics of personal and community hygiene. 3 hours. Professor MEYLAN

A1–A2—Elementary graded gymnastic exercise and lectures on personal hygiene. 2 hours. Dr. ELLIOTT and Assistants

B1–B2—Graded gymnastic exercises, and lectures on personal and community hygiene. 2 hours. Professor MEYLAN, Mr. KIRKPATRICK and Assistants

eX1–X2—Gymnastics. Dr. ELLIOTT

eY1–Y2—Swimming. Mr. KENNEDY

eZ1–Z2—Boxing. Mr. WEEMAN

A1–A2—Lectures on personal hygiene, elementary athletics, games, and dancing. In sections. 2 hours. Miss BEEGLE

B1–B2—Lectures on hygiene and sanitation, athletics, games, and dancing. In sections. 2 hours. Miss BEEGLE

C1–C2—National folk and aesthetic dancing. 2 hours. Miss BEEGLE
D1–D2—Hygiene and public health problems. 1 hour. Miss BEEGLE

There are also twenty-three courses given under the auspices of Teachers College: Hygiene A, 87, Physical education 1–2, 5–6, 9–10, 55–56, 57–58, 59–60, 64, 65, 66, 67–68, 75–76, 77–78, 80, 87, Education 88, 89–90, 187–188, 189–190, 287–288, 289–290, Physical training A, and B.

Equipment

The main exercising room is semicircular in shape, and has a floor area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, an auxiliary gymnasium 40 × 60 feet, rooms for fencing, boxing, and handball, two large dressing-rooms with 2000 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of water which is filtered and sterilized daily. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The athletic field is equipped with a $^1/_4$-mile running track, baseball field, facilities for jumping, pole vaulting, putting the shot, etc., seven tennis courts, and a dressing-room with 2000 lockers and shower-baths.

The Gould Boat-house, located on the Hudson River, at the foot of 116th Street, is equipped with boats of all descriptions, lockers, baths, etc.

The Frederick Ferris Thompson Memorial Building, which houses the department of Physical Education of Teachers College, was given by Mrs. F. F. Thompson. It is a building of four stories devoted to the purpose of physical education and school hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, handball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for women and the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in physical education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Tuesdays, Wednesdays and Fridays, and 8.30 A.M. to 10 P.M., Mondays, Thursdays and Saturdays. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 3 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sopho-

mores in Columbia College, and first- and second-year students in the School of Mines, Engineering and Chemistry, except students holding degrees from other colleges; also first-year students in the School of Journalism and the School of Architecture. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

PHYSICS

See introductory paragraphs, page 71

Professors: POOR, PUPIN, WENDELL, WILLS, and WOODHULL

Associate Professors: DAVIS, MALTBY and PEGRAM (*Executive Officer*)

Assistant Professors: BURNSIDE, SOUTHALL, SCHROEDER, TROWBRIDGE and WEBB

Instructors: FARWELL, LANGFORD, MORSE, SEVERINGHAUS, STIFLER WEINRICH and WHITTEMORE

Lecturers: BLANCHARD, BROWN and DAY

Assistants: BRAININ, BRANT, GOUCHER, MURPHY, SAYLOR, SCOTT and ULREY

Experimental Physics, Mechanics and Mathematical Physics

A1–A2—General elementary physics. *C* 3 hours and *L* 2 hours. 4 points. Professor DAVIS, Mr. FARWELL and Mr. SAYLOR

6—Mechanics and wave motion. *C* 6 hours. Professor WENDELL, Dr. WEINRICH and Mr. FARWELL

2—Mechanics and wave motion. *C* 4 hours. Professor WENDELL

7—Heat and light. *C* 6 hours. Professors WENDELL and WEBB

3—Heat and light. *C* 4 hours. Professor WENDELL

8—Electricity. *C* 6 hours. Professor WENDELL, Dr. SEVERINGHAUS and Dr. STIFLER

4—Electricity. *C* 4 hours. Professors WENDELL and WEBB

49–50—Physical laboratory. *L* 3 hours. 3 points for year. Professor WENDELL and instructors

41–42—Physical laboratory. *L* 2, 4 or 6 hours. 1, 2, or 3 points. Mr. FARWELL

1—Mechanics—statics. *C* 2 hours. Professor BURNSIDE

15–16—Analytical Mechanics. *C* 3 hours. Professor PEGRAM

5—Electricity. *C* 5 hours. Professors WENDELL and WEBB, Dr. MORSE, Dr. WEINRICH, Dr. SEVERINGHAUS, Dr. STIFLER and Mr. BRAININ

43–44—Physical laboratory. *L* 3 hours. 3 points for year. Professors WENDELL and WEBB, Dr. MORSE, Dr. WEINRICH, Dr. SEVERINGHAUS, Dr. STIFLER, Mr. BRAININ, Mr. MURPHY and Mr. ULREY

55—Physical measurements. *C* 2 hours. Dr. STIFLER

102—Mechanics. *C* 5 hours. Professors BURNSIDE, SCHROEDER, WEBB and Mr. WHITTEMORE

103–104—Analytical mechanics. Full course each half-year. *C* 3 hours. Professor PEGRAM

105—Thermodynamics. *C* 2 hours. Professors WILLS and PEGRAM

107–108—Theory of electricity and magnetism. *C* 2 hours first half-year, *C* 3 hours second half-year. Professor WILLS

109–110—Theory of alternating current machines and theory of electrical currents. *C* 4 hours first half-year, *C* 3 hours second half-year. Professor PUPIN

154—Sound and theory of oscillations. *C* 2 hours. Half course. Professor DAVIS

155—Electricity and magnetism. *C* 3 hours. Full course. Professor DAVIS

157—Light. *C* 2 hours. Half course. Dr. MORSE

151–152—Advanced laboratory course. *L* 4 to 16 hours. Half to two full courses each half-year. Professor TROWBRIDGE

201—Vector analysis and mathematical introduction. *C* 4 hours. Full course and a half. Professor WILLS

203–204—Partial differential equations of physics. *C* 2 hours. Full course each half-year. Dr. WEBB

206—Mechanics. *C* 4 hours. Full course and a half. Professor WILLS

208—Theory of elasticity. *C* 2 hours. Half course. Professor WILLS

213—Thermodynamics. *C* 4 hours. Full course. Professor PEGRAM

215–216—Electricity and magnetism. *C* 2 hours. Full course each half-year. Professor PUPIN

222—Statistical mechanics. *C* 4 hours. Full course and a half. Professor WILLS

235–236—Thermodynamics applied to chemistry. *C* 3 hours. Half course first half-year, full course second half-year. Professor MALTBY

241–242—Celestial mechanics. *C* 2 hours. Half course each half-year. Professor POOR

244—The reduction of observations. *C* 2 hours. Half course. Professor POOR

258—Phenomena of radio-activity. *C* 2 hours. Half course. Professor PEGRAM

259—Spectroscopy. *C* 2 hours. Half course. Dr. MORSE

Journal Club—The Journal Club of the Department meets every week for the discussion of the current literature of physics, and for reports of special investigations.

Barnard College

1–2—Elementary physics. *C* 3 hours, *L* 2 hours. Professor MALTBY and Miss BRANT

11–12—General physics. *C* 3 hours, *L* 2 hours. Miss LANGFORD and Miss BRANT

31—Mechanics. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD

32—Heat and properties of matter. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD

34—Light. *C* 3 hours, *L* 2 or 4 hours. Miss LANGFORD
138—Theory of electricity. 3 hours. Professor MALTBY

Teachers College

Physical science 101–102—History of physical science. Half course each half-year. Professor WOODHULL
See other courses under Education

Summer Session

Summer

S1—Mechanics: statics. 6 points. Mr. WHITTEMORE
S102*a*—Statics. 3 points. Professors BURNSIDE and SCHROEDER
S102*b*—Dynamics. 3 points. Professors BURNSIDE and SCHROEDER
SA1—Mechanics, wave-motion and sound. 3 points. Professor HULL, Dr. STIFLER, Mr. BLANCHARD and Mr. SAYLOR
SA2—Heat, light and electricity. 3 points. Professor HULL, Dr. STIFLER, Mr. BLANCHARD and Mr. SAYLOR
S3—Elementary mechanics, wave-motion, and hydrostatics. 6 points. Mr. FARWELL
S4—Heat and light. 6 points. Dr. MORSE
S33*a*, or *b*—Intermediate laboratory course in general physics. 1 or 2 points. Dr. SEVERINGHAUS
S43—Laboratory course in general physics. 3 points. Dr. SEVERINGHAUS
S107—Principles and experiments. 3 points. Half course. Professor HULL
S160—Kinetic theory of matter. Half course. Professor MILLIKAN
S225—The relativity theory. Half course. Professor PEGRAM
S255—Electron theory. Full course. Professor MILLIKAN
S272—Research course. Professor PEGRAM

Extension Courses

Extension

1—Statics. *C* 3 hours. 3 points. Mr. WHITTEMORE
E1–E2—Elementary course in general physics. *C* 3, *L* 2 hours. 4 points. Mr. FARWELL
Optometry 1–2—Theoretical optics. *C* 3 hours, *L* 2 hours. Professor SOUTHALL
Optometry 11—Physiological optics. 3 hours. Professor SOUTHALL
Optometry 12—Physiological optics. 1 hour. Professor SOUTHALL
Optometry 9–10—Theoretical optics. *C* 3 hours, *L* 2 hours. Professor SOUTHALL

Equipment

The laboratories and lecture-rooms of the Department of Physics are in Fayerweather Hall. They are supplied with the usual general equipment of a physical laboratory.
The laboratories used for research work have been named by the Trustees

the "Phoenix Physical Laboratories," in memory of Mr. Stephen Whitney Phoenix, who bequeathed to the University an endowment for research in physics and chemistry.

Under the direction of the professor of electro-mechanics, laboratories have been equipped in Philosophy Hall from the Marcellus Hartley fund for research in the subjects of electricity and magnetism. The laboratories afford unusual opportunities for students desiring to specialize in these subjects.

A recent gift from Mr. Edward Dean Adams provides a sum to procure apparatus for what is to be known as the Ernest Kempton Adams Precision Laboratory. As rapidly as the apparatus can be purchased and installed this laboratory is being equipped with instruments of the best design and highest precision for measurements in mechanics, heat, light, radio-activity, and those branches of electricity not already provided for by the Marcellus Hartley fund.

The physics laboratories at Barnard College occupy the second floor and a part of the basement of Fiske Hall. They are well equipped for quantitative experimental work in the courses offered.

The physics laboratories and lecture-room of Teachers College are especially equipped for illustrating the teaching of physics in secondary and normal schools.

PHYSIOLOGY

(*See introductory paragraphs, page 71*

Professor: LEE (*Executive Officer*)

Associate Professor: BURTON-OPITZ

Assistant Professor: PIKE

Associates: CREHORE, SCOTT (E. L.), WHEELWRIGHT and WILLIAMS (H. B.)

Instructors: GORDON, HILDRETH, PARDEE, SHEARER, TERRIBERRY and TERRY

All courses except 1–2 and 106–107 are open to women

1–2—Elementary physiology. 2 points. *C* 1 hour, *L* 2 hours. Professor PIKE and Dr. SCOTT (E. L.)

106–107—Human physiology. 2 full courses. *C* 5 hours, *D* 1 hour, *L* 3 hours. Professor BURTON-OPITZ and Drs. GORDON, HILDRETH, PARDEE, SHEARER, TERRIBERRY, TERRY and WILLIAMS (H. B.)

108—Physics of X-rays. *C* 1 hour for six weeks. Dr. WILLIAMS (H. B.)

201–202—General physiology. 2 full courses. *C* 1 hour, *L* 5 hours. Professor PIKE and Dr. SCOTT (E. L.)

203–204—Special physiology. 2 full courses. *C* 1 hour, *L* 5 hours. Professors BURTON-OPITZ and PIKE, Drs. SCOTT and WILLIAMS (H. B.)

205–206—Problems of evolution from the standpoint of physiology. Half course. *C* 1 hour. Professor PIKE

207—Clinical physiology. Half course. *C* and *D* 3 hours. Professors BURTON-OPITZ and PIKE and Drs. WHEELWRIGHT and WILLIAMS (H. B.)

251–252—Research in physiology. Half, full or double course. Under the direction of the professor of physiology. The officers of the department

Summer

S1 or S1*a*—Elementary physiology. S1, lectures and laboratory work, 2 points; S1*a*, lectures only, 1 point. *C* 5 hours, *L* 4 hours. Professor BURTON-OPITZ

S2—Advanced physiology. 1 point. *C* 3 hours, *L* 4 hours. Professor BURTON-OPITZ

S103—General physiology. 1 point. *C* 2 hours. Professor BURTON-OPITZ

S104—Advanced practical physiology. Half course. *L* 6–10 hours. Professor BURTON-OPITZ

S203—Special physiology. 1914—Physiological relations of the fats and carbonates. Half or full course. *C* 4 hours, *L* 8 or more hours. Dr. SCOTT

Research

The laboratories are open for research, under the direction of their officers, to advanced workers.

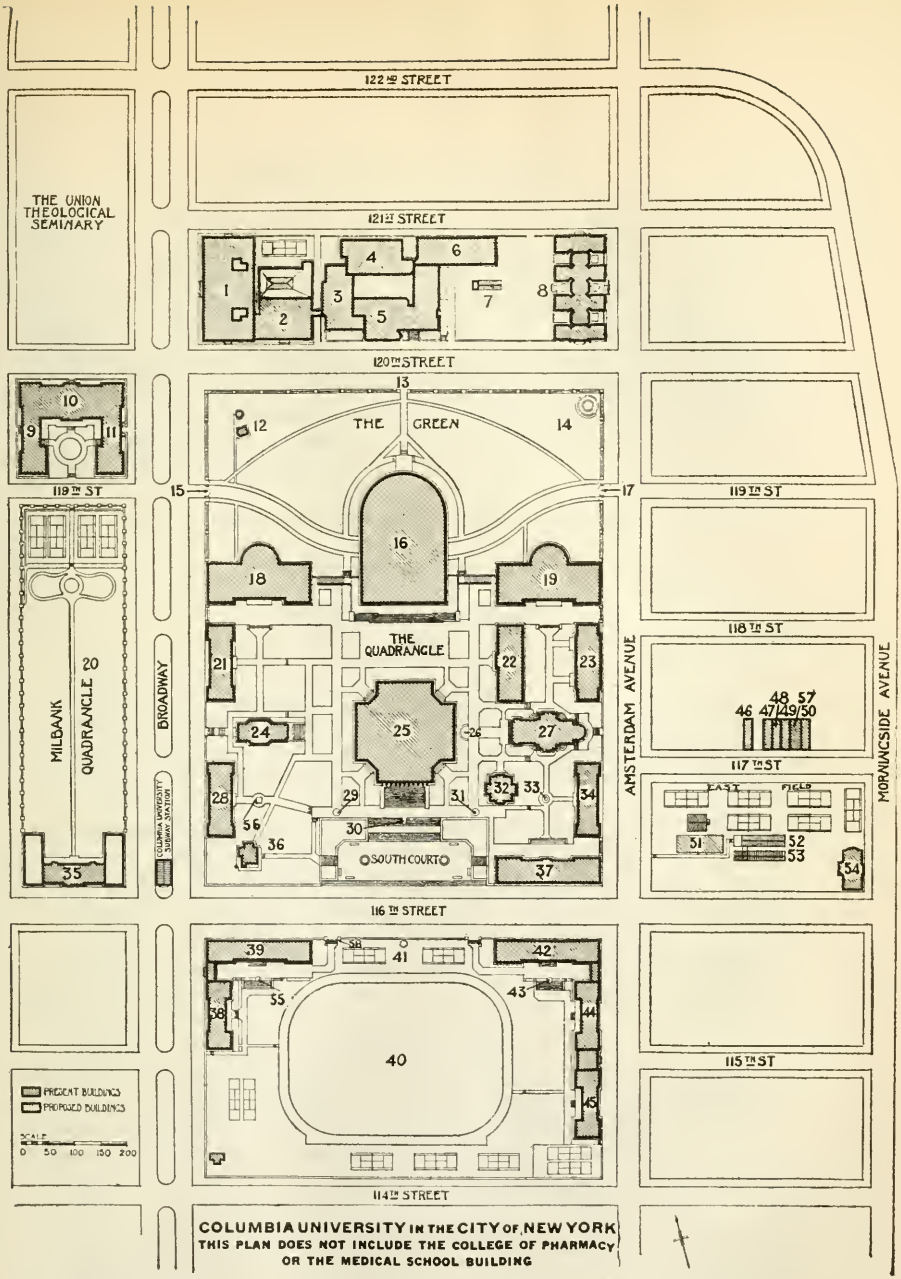
Journal Club

A journal club, composed of the members of the staff and graduate students, holds weekly meetings for the discussion of current literature and special investigations.

Equipment

The main equipment of the Department of Physiology is at the College of Physicians and Surgeons. It comprises one large laboratory, which is provided with special apparatus for teaching purposes; one large and four small laboratories for research; several private rooms for the use of the officers of the department; the Swift Physiological Cabinet, containing a specially endowed and very full collection of apparatus of precision, mainly for research; a library containing complete sets of all of the physiological journals, monographs and other books, and many reprints of special articles; two dark-rooms for optical and photographic work, and an outfit of machines and tools for working in wood and metal. Skilled mechanics give their entire time to the design, manufacture, and repair of apparatus. The laboratories are connected by wires with the Vanderbilt Clinic and the Roosevelt Hospital so that the string galvanometers of the department are available for making electrocardiographic records from patients. In Schermerhorn Hall at Morningside Heights the department has the use of a laboratory equipped for the instruction of undergraduates.

Attention is also called to the following related courses: 213—Experimental study of reflex actions and tropisms. (Schermerhorn Hall.) 1 hour, with demonstrations and opportunities for laboratory work.



COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

THIS PLAN DOES NOT INCLUDE THE COLLEGE OF PHARMACY OR THE MEDICAL SCHOOL BUILDING

1. Horace Mann School
2. Thompson Memorial Bldg.
3. Milbank Memorial Chapel
4. Macy
5. Main Building (Teachers)
6. Household Arts
7. Peabody Greenhouse
8. Whittier
9. Fiske
10. Milbank
11. Brinckerhoff
12. Wilde Observatory
13. Class of 1882 Gates
14. Statue of the Great God Pan
15. Mapes Gates
16. University
17. Class of 1888 Gate
18. Havemeyer
19. Schermerhorn
20. Milbank Quadrangle
21. Engineering
22. Avery
23. Fayerweather
24. Earl
25. Library
26. Class of 1886 Exedra
27. St. Paul's Chapel
28. Mines
29. Lafayette Post Flag Staff
30. Statue of Alma Mater
31. Class of 1881 Flag Staff
32. East
33. Class of 1887 Well Head
34. Philosophy
35. Brooks
36. Faculty Club
37. Kent
38. Furnald
39. Journalism
40. South Field
41. Class of 1885 Sun Dial
42. Hamilton
43. Statue of Alexander Hamilton
44. Hartley
45. Livingston
46. Deutsches Haus
47. Dean Keppel
48. Chaplain Knox
49. Maison Française
50. Carnegie Endowment
51. Cancer Research
52. Botany Greenhouse
53. Agriculture Greenhouse
54. President's House
55. Jefferson Statue
56. Class of 1889 Statue
58. Classes of 1884 and 1899 Tablet

Professor MORGAN (T. H.) 151–152—General physiology. (Barnard College.) *C* 2 hours, *L* 4 hours. Professor OSBURN and Dr. GREGORY. Biology 1—Elementary human anatomy and physiology. (Teachers College.) *C* 1 hour, *L* 2 hours. Miss STACKPOLE and Professor BIGELOW. Biology 3—Introduction to applied biology. (Teachers College.) *C* 2 hours, *L* 4 hours. Miss STACKPOLE and Professor BIGELOW. Biology 53—Applied biology, advanced course. (Teachers College.) *C* 2 hours, *L* 4 hours. Miss STACKPOLE and Professor BIGELOW. Physical education 55–56—Applied physiology. (Teachers College.) *C* 1 hour, *L* 2 hours. Mr. WILLIAMS (J. F.)

POLITICAL PHILOSOPHY (see page 1051)

POLITICS (see page 1051)

PRACTICE OF MEDICINE

See introductory paragraphs, page 71

Professor: W. T. LONGCOPE (*Executive Officer*)

Professors of Clinical Medicine: BRILL, DRAPER (W. K.), EVANS, HOLLIS, HUBER, JACKSON (F. W.), JAMES (W. B.), KAUFMANN, LIBMAN, LOCKWOOD, MILLER, NORRIE, THACHER (J. S.), STADTMÜLLER and WACHSMANN

Associate Professor: SWIFT (H. F.)

Assistant Professors of Clinical Medicine: BOVAIRD, CAMAC, FRISSELL, HART, POTTER, TUTTLE, VOGEL, OPPENHEIMER, LAPORTE

Associates: EMERSON, HERRICK, THACHER (H. C.)

Associates in Clinical Medicine: CARTER, SUMNER, SWIFT (G. M.)

Instructors: JAMES (H.), JESSUP, NEERGAARD, GEYELIN

Instructors in Clinical Medicine: CECIL, ERDWURM, FRASER, HENSEL, HOWE, SCHWERDTFEGER, SHEARER, SNYDER, DRAPER (G.), KNAPP, WOODRUFF, LAMB, NEERGAARD, CLASS, CUSSLER

Assistants: CARLUCCI, RAINSFORD, MCALPIN

Chiefs of Clinic: HERRICK and THACHER (H. C.)

Clinical Assistants: EPSTEIN, GLASGOW, FRIEDMAN, FRIEDSON, GOLDFARB, HORSFORD, HENDERSON, JACOBUS, MISLIG, PASCALE, QUEL, ROSENTHAL, ZELAYA, WEINSTEIN, WIENER, MANN, HURWITZ

Courses **226, 228, 230, 237–238,** and **251–252** are open to graduates in medicine.

102—Lecture and clinic in physical diagnosis. 2 hours. Dr. GEORGE DRAPER

104—Physical diagnosis. 2 hours. Drs. DRAPER, JAMES, HOWE, KNAPP and RAINSFORD

106—Clinical pathology: Systematic instruction in the various chemical, microscopical, and bacteriological methods of diagnosis. 4 hours. Professor VOGEL and Drs. GEYELIN, JESSUP, CARLUCCI, and MCALPIN

201–202—Clinical lecture on general medicine. 1 1/2 hours. Professor LONGCOPE and associates

205–206—Clinical lecture on general medicine. 1 1/2 hours. Professor EVANS

207–208—Recitations in general medicine. 2 hours. Dr. HERRICK

209–210—Physical and medical diagnosis. 4 hours. Drs. CARTER, ERDWURM, HERRICK, HOWE, JAMES, JANVRIN, NEERGAARD, RAINSFORD, SHEARER, SNYDER and THACHER

211–212—Advanced medical clinic. 1 1/2 hours. Professor LONGCOPE

213–214—Clinical and pathological conference. 2 hours. Professors MACCALLUM, H. F. SWIFT, and PAPPENHEIMER and Dr. LAMB

215–216—Clinical clerkships in medicine. 6 mornings and 2 afternoons

Presbyterian Hospital: Professors LONGCOPE, BOVAIRD, HART, H. F. SWIFT, and TUTTLE and Drs. CARTER, FRASER, and GEYELIN

St. Luke's Hospital: Professors LAMBERT, HOLLIS, FRISSELL, PATTERSON, and VOGEL

Bellevue Hospital: Professors LOCKWOOD, DRAPER (W. K.), NORRIE, and MILLER, and Drs. WOODRUFF and JANVRIN

German Hospital: Professors KAUFMANN, STADTMÜLLER, and DENIG, and Drs. SCHWERDTFEGER and HENSEL

Mt. Sinai Hospital: Professors BRILL and LIBMAN

Montifiore Home and Hospital: Professors WACHSMANN, LAPORTE and OPPENHEIMER

217–218—Advanced work in clinical diagnosis. 4 hours. Professor VOGEL and Dr. GEYELIN

219–220—Clinical bacteriology and immunology. 4 hours. Dr CECIL

224—Medical diagnosis. 2 hours; prerequisite course, **209**. Drs. POTTER and CAMAC

228—Tuberculosis. 4 hours; prerequisite course, **209**. Professor MILLER

230—Clinical lecture on general medicine. 1 hour. Professors JACKSON and EVANS

233–234—Clinical instruction. 2 hours. Dr. G. M. SWIFT

237–238—Graphic study of cardiac disease. 2 hours. Professor HART

239–240—Medical diagnosis. 4 hours. Dr. EVANS

251–252—Research in medicine. Professor LONGCOPE and staff

S106—Clinical pathology. 10 hours. Equivalent to Course **106** and may be substituted for it. Professor VOGEL

S209—Physical and medical diagnosis. At Presbyterian Hospital. 10 hours. Equivalent to Course **209** and may be substituted for it. Professor TUTTLE

Attention is also called to the following related course: **205** Pathology

Equipment

The equipment of the department of the practice of medicine comprises the following: The laboratory of clinical pathology, on the fourth floor of the north building of the College, is completely equipped for the routine instruction of students, and clinical research by physical, chemical, hematological, bacteriological, and serological methods. Undergraduate instruction is carried on in the laboratory on the fifth floor of the north building of the College. The laboratory of the Vanderbilt Clinic is equipped for the routine investigation of patients and instruction of students in clinical pathology. Facilities for chemical, bacteriological, and serological investigations are provided in the clinical laboratories of the Presbyterian Hospital under the charge of the professor and associate professor of the practice of medicine, and in the chemical laboratory of St. Luke's Hospital under the charge of the assistant professor of clinical pathology.

The Edward G. Janeway Memorial Library of about 3300 bound volumes and 3300 pamphlets, situated in the Presbyterian Hospital, contains complete sets of all the important medical journals, both American and foreign, and many important monographs and reference works. It is open throughout the day to the staff and students of the department.

PSYCHOLOGY (see page 169)

PUBLIC LAW AND JURISPRUDENCE (see page 145)

RELIGION

See introductory paragraphs, page 71

In addition to courses offered in conjunction with the Union and General Theological Seminaries, the following courses in Religion are given in Columbia College.

1–2—Introduction to the study of the Bible. 3 hours. Chaplain KNOX

3–4—Fundamentals of religion. 2 hours. Professor WILLIAM ADAMS BROWN

RHETORIC AND ENGLISH COMPOSITION (see page 122)

ROMANCE LANGUAGES AND LITERATURES

See introductory paragraphs, page 71

Professors: COHN (*Executive Officer*), TODD and WEEKS

Associate Professors: GERIG and LOISEAUX

Assistant Professors: BIGONGIARI, FONTAINE, JORDAN, LIVINGSTON, and MULLER[1]

Instructors: ALEXANDER, FORTIER, and IMBERT

Lecturers: BABCOCK, and DE BACOURT

Associate: CARRET

[1] On leave of absence 1914–1915.

For courses under 100 there is a special numbering under French, Italian, and Spanish, respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

French

A1–A2—Elementary course. 3 hours. Dr. ALEXANDER and Mr. BABCOCK (Columbia), and Mr. FORTIER and Miss CARRET (Barnard)

B1–B2—Syntax reading, and composition. 3 hours. Professors FONTAINE and GERIG (Columbia), and Mr. BABCOCK and Dr. ALEXANDER (Barnard)

B4—Grammar, reading, and composition. 3 hours, second half-year. Dr. ALEXANDER

B5—Grammar, reading and composition. 3 hours. First half-year. Dr. ALEXANDER

C1–C2—Elementary course for graduate students. 2 hours. Professor JORDAN

J1–J2—Reading of French newspapers. 3 hours. Mr. DE BACOURT (Journalism)

3–4—Practical course and introduction to French literature. 3 hours. Professor FONTAINE and Mr. FORTIER (Columbia), Dr. ALEXANDER, Professor GERIG and Miss CARRET (Barnard)

5–6—History of French literature in the seventeenth century. 3 hours. Professor LOISEAUX (Columbia), Professor WEEKS (Barnard)

7–8—Conversation and composition. 3 hours. Professor JORDAN (Barnard)

9–10—Composition. 3 hours. Professor JORDAN (Columbia), Professor JORDAN (Barnard)

11–12—French literature, especially prose, after the classical period. 3 hours. Professor FONTAINE (Columbia)

13–14—French literature, especially poetry, after the classical period. 3 hours. Mr. FORTIER (Columbia)

17–18—History of the French drama. 3 hours. Professor WEEKS (Barnard)

21–22—Advanced grammar and composition. 3 hours. Professors COHN and JORDAN (Teachers College)

101—History of French literature in the seventeenth century down to 1660. 3 hours. Professors COHN, LOISEAUX and Mr. FORTIER

102—History of French literature in the seventeenth century after 1660. 3 hours. Professors COHN and LOISEAUX and Mr. FORTIER

103—History of French literature in the eighteenth century down to 1750. 3 hours. Professor LOISEAUX

104—History of French literature in the eighteenth century after 1750. 3 hours. Professor LOISEAUX

105—History of French literature in the nineteenth century down to 1852. 3 hours. Professor WEEKS

106—History of French literature in the nineteenth century after 1852. 3 hours. Professor WEEKS

111–112—History of French literature of the sixteenth century. 2 hours. Professor GERIG

113–114—Old French. 2 hours. Professor TODD

121–122—Methods of teaching French in secondary schools. Professor COHN. (Identical with Education 165–166)

[205–206—Special topics in eighteenth-century French literature. 2 hours. Professor COHN

207–208—Special topics in seventeenth-century French literature. 2 hours. Professor COHN]

209–210—Special topics in sixteenth-century literature. 2 hours. Professor GERIG

[211–212—Special topics in nineteenth-century literature. 2 hours. Professor COHN]

Education 165–166—Methods of teaching French in secondary schools. 2 hours. Professor COHN (Teachers College)

301–302—Seminar—French romanticism. II. The Romantic battle. 2 hours. Professor COHN

Italian

1–2—General introduction to Italian language and literature. 3 hours. Mr. BIGONGIARI and Professor LIVINGSTON

3–4—Composition and outside reading. 3 hours. Professor LIVINGSTON and Mr. BIGONGIARI

5–6—Typical movements in Italian literature from the sixteenth to the nineteenth century. 3 hours. Professor LIVINGSTON and Mr. BIGONGIARI

135–136—The *Divina Commedia* of Dante. 3 hours. Mr. BIGONGIARI

131–132—History of Italian literature. 3 hours. Professor LIVINGSTON and Mr. BIGONGIARI

133–134—Intellectual movements in contemporary Italy. 2 hours. Professor LIVINGSTON and Mr. BIGONGIARI

137–138—Special topics in Italian literature. 2 hours. Professor LIVINGSTON

Spanish

1–2—Elementary course. 3 hours. Professors GERIG and FONTAINE and Mr. IMBERT

3–4—Grammar, reading, composition. 3 hours. Mr. IMBERT (Columbia), Professor LOISEAUX (Barnard)

5–6—Practical course and introduction to Spanish literature. 3 hours. Professor LOISEAUX

141–142—The novela of the golden age. 3 hours. Professor LOISEAUX

[143–144—The Spanish comedia. 3 hours. Professor LOISEAUX]

Romance Philology

151–152—Introduction to Romance philology. 2 hours. Professor TODD

[251–252—The oldest monuments of the French languages. 1 hour. Professor TODD]

253–254—Old French Dialects. 1 hour. Professor TODD

[255–256—Critical constitution of texts. 1 hour. Professor TODD]

257–258—Old Provençal. 1 hour. Professor TODD

259–260—Oldest monuments of the Italian and Spanish languages. 1 hour. Professor LIVINGSTON

271–272—Portuguese. 1 hour. Professor TODD

273–274—Rumanian. 1 hour. Professor COHN

303–304—Seminar—Presentation and discussion of doctoral dissertation work. 1 1/2 hours. Professor TODD

sA1—Elementary French. (Evening class.) 2 points. Mr. COHN-McMASTER

Summer sA1—Elementary course. 2 points. Mr. COHN-McMASTER and Dr. BARTON

sA2—Elementary reading and oral practice. 2 points. Professor JORDAN and Mr. FORTIER

sA3—Supplementary course. 2 points. Dr. MULLER and Mr. BARTON

This course may be taken simultaneously with sA1 with the special permission of the instructor

sB1—Intermediate: first course. 2 points. Mr. COHN-McMASTER

sB2—Intermediate: second course. 2 points. Dr. MULLER

s3—Practical course and introduction to the study of French literature. I. 2 points. Professor YOUNG

s4—Practical course and introduction to the study of French literature. II. 2 points. Mr. FORTIER

s5—History of French literature in the seventeenth century. First course. 2 points. Professor LOISEAUX

s6—History of French literature in the seventeenth century. Second course. 2 points. Professor YOUNG

s9—Advanced composition and practice in speaking French. First course. 2 points. Professor JORDAN

s11—French literature, especially prose, after the classical period. 2 points. Professor SANDERSON

s15—French literature, especially poetry, after the classical period. 2 points. Professor SANDERSON

s101—Lectures on French literature during the first half of the seventeenth century. Full course. Professor FORTIER

s103—History of French literature in the first half of the eighteenth century. Full course. Professor LOISEAUX. History of the French literary movement in the first half of the nineteenth century. Full course. Mr. CONE

s106—History of the French literary movement in the second half of the nineteenth century. Full course. Mr. CONE

s113—Old French. First course. Full course. Professor ARMSTRONG

s114—Old French. Second course. Full course. Professor ARMSTRONG

Summer

Italian

s1—Elementary: first course. 2 points. Professor MCKENZIE

s2—Elementary: second course. 2 points. Professor MCKENZIE

s3—General introduction to the study of Italian literature: first course. 2 points. Professor HAMILTON

Spanish

s1—Elementary I. 2 points. Mr. IMBERT

s2—Elementary II. 2 points. Mr. IMBERT

s3—General introduction to Spanish literature. I. 2 points. Mr. IMBERT

s4—General introduction to Spanish literature. II. 2 points. Professor BUCHANAN

s144—The Spanish comedie. Full course. Professor BUCHANAN

Romance Philology

s151—Introduction to Romance philology: first part. Full course. Professor ARMSTRONG

s152—Introduction to romance philology: second course. Full course. Professor HAMILTON

Extension

French

eA1–A2—Elementary course. 6 points. Dr. ALEXANDER, Mr. DE BECOURT and Mr. LE ROY. (Also in Brooklyn, Newark, Jersey City and Paterson)

eA3–A4—Elementary course. I. 3 points. Mr. WANTZ

eA5–A6—Elementary course. II. 3 points. Mr. WANTZ

eA8—Elementary course. 3 points. Second half-year. Mr. IMBERT

eA9—Elementary course. 3 points. First half-year. Mr. IMBERT

eB5–B6—Intermediate course. $1\frac{1}{2}$ points. Mr. WANTZ

eB1–B2—Intermediate course. 6 points. Professor BIGONGIARI and Mr. BABCOCK. (Also in Newark)

eB3–B4—Intermediate course—Grammar, reading and composition. 3 points. Mr. WANTZ

e3–4—Practical course and introduction to the study of French literature. 6 points. Mr. BABCOCK

4–10e—Advanced composition and practice in speaking French. 6 points. Mr. FORTIER

e5–6—History of French literature in the seventeenth century. 6 points. Professor LOISEAUX

e11–12—French literature, especially poetry after the classical period. 3 points. Mr. FORTIER

e13–14—French literature, especially poetry, after the classical period. 3 points. Mr. FORTIER

e103–104—History of French literature in the eighteenth century. Full course. Professor LOISEAUX

Italian e1–2—Elementary course. 6 points. Professor LIVINGSTON. (Also in Trenton)

e3–4—Advanced course. 6 points. Professor LIVINGSTON

Spanish e1–2—Elementary course. 6 points. Mr. HAYDEN. (Also in Brooklyn)

e3–4—Advanced course. 3 points. Professor GERIG

e9–6—Practical course and introduction to French literature. 3 points. Professor GERIG

e9–8—Elementary. 3 points. Mr. HAYDEN

Courses in Spoken Language French cX1–cX2—Elementary course in colloquial French. Mr. DE MONTHULÉ and Dr. MARIQUE

(This course is given in coöperation with the Alliance Française)

cY1–cY2—Intermediate course in colloquial French. Mr. DE MONTHULÉ and Dr. MARIQUE

(This course is given in coöperation with the Alliance Française)

Italian cX1–cX2—Elementary oral practice and sight reading. Mr. RUSSO

Spanish cX1–cX2—Colloquial and written Spanish. Mr. LE ROY

Equipment The library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals is especially rich. The Library has also complete sets of the most important series and collections in the whole field of the Romance languages and literatures.

The library of the Romance Department, in Philosophy Hall, contains a large number of books of reference. A special privilege enjoyed by the Department is that of using the library of the Hispanic Society of America.

Elementary evening classes in French are conducted by the department of Extension Teaching in coöperation with the Alliance Française.

Maison Française The Maison Française at 411 West 117th Street contains a collection of French books and periodicals and of documents containing information concerning education and educational institutions in France. It also serves as the residence of the visiting French Professor during his stay in New York, and as headquarters for intercourse with the French Universities.

Romance Club The Romance Club consists of the instructors and advanced students in the department. At its meetings, an account is given of the most important articles in recent periodicals, and new books are discussed.

French Societies Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the Société Française de l'Université Columbia, and the Société Française de Barnard College.

SEMITICS (see page 162)

SHOPWORK

See introductory paragraphs, page 71

Offered by the School of Practical Arts of Teachers College

Assistant Professor: SLEFFEL

Instructors: CONSTANTINE and WALSH

1—Wood-turning and pattern-making. 4 half-days, first term only

2—Moulding and foundry practice. 2 half-days, second term

10s—Section I—Machine work. 3 weeks in June, 9–12, 1–4 daily

10s—Section II—Machine work. 3 weeks in September, 9–12, 1–4 daily

12—Forging. 4 half-days, second term

13–14—Machine work. 1 half-day throughout the year

15—Forging and foundry practice. 4 half-days, 1 term

16—Machine work. 3 half-days, second term

18s—Pattern-making, forging, foundry practice, and machine work. 3 weeks in June, 9–12, 1–4 daily

SOCIAL ECONOMY (see page 1051)

SOCIOLOGY AND STATISTICS (see page 1051)

SURGERY

See introductory paragraphs, page 71

Professors: BREWER (*Executive Officer*), HAYDEN

Professors of Clinical Surgery: LYLE, MARTIN, DOWD, MOSCHCOWITZ, HOTCHKISS, JOHNSON, KAMMERER, KILIANI, PECK, ELIOT and WALKER

Associate Professor: LAMBERT (A. V. S.)

Assistant Professors: CLARKE, DOWNES, MATHEWS, DARRACH

Associates in Clinical Surgery: POOL, HAWKES

Instructors: AUCHINCLOSS, BANDLER, BURNAP, CONNELL, GREEN, KINGSLEY, MCCARTHY, MCCREERY, MCWHORTER, RAMSDELL, VAUGHAN, YEOMANS, WHITING

Instructors in Clinical Surgery: BUERGER, BUGBEE, COLLINS, DERBY, EISENBREY, FISCHER, HOOKER, MCWILLIAMS, RUSSELL, ST. JOHN, STETTEN, STILLMAN, STOUT, VOSBURGH, and WHIPPLE

Assistants: BANCROFT, CORSCADEN, DWIGHT, PHELPS, VAN BEUREN, VICTOR and WOOLSEY

Clinical Assistants: BURNHAM, KINGSLEY, O'CONNOR, VICTOR, WORCESTER

Clinical Assistants G-U. Diseases: BANCROFT, COWAN, KOHN, GRAHAM, FOWLER and BELCHER

Dental Surgeons: CAIN, DUNNING, FISHER, REMY, SHIELDS, SCHWARTZ, and STERN

104—Recitations, demonstrations and clinic in surgical pathology. 4 hours. Dr. CLARKE

201–202—Surgical pathology and general regional surgery. 3 hours. Professors BREWER, LAMBERT, PECK, MARTIN and DARRACH and Dr. POOL

203–204—Clinic in general surgery. 2 hours. Professors BREWER and PECK

205–206—Recitations in general and regional surgery. 2 hours. Drs. CONNELL and BURNAP

207—Minor surgery and bandaging. 4 hours. Drs. STILLMAN, AUCHINCLOSS, and VAUGHAN

209–210—Clinical clerkships in surgery. 6 mornings and 4 afternoons

Presbyterian Hospital: Professors BREWER, LAMBERT and ELIOT and Drs. WHIPPLE and ST. JOHN

St. Luke's Hospital: Professors MARTIN, LYLE, DOWNES, and MATHEWS, and Drs. EISENBREY and DERBY

Roosevelt Hospital: Professors PECK and DOWD and Dr. MCCREERY

German Hospital: Professors KILIANI and KAMMERER and Drs. FISHER and STETTEN

Mt. Sinai Hospital: Professor MOSCHCOWITZ and Dr. BUERGER

211–212—Clinic in general surgery. At the Presbyterian Hospital; 2 hours; seven-eighths of fourth year. Professors BREWER, LAMBERT and ELIOT

213–214—Practical instruction in surgical pathology. 2 hours. Professors KAMMERER, KILIANI and MOSCHCOWITZ and Drs. AUCHINCLOSS and EISENBREY

216—Demonstrations; anatomy of fractures. 1 hour. Dr. DWIGHT

219–220—Operative surgery on the cadaver. 6 hours. Drs. DARRACH, GREEN, and RAMSDELL

221–222—Practical instruction in surgical technic. 4 hours. Professor CLARKE and Assistants

223–224—Principles of surgery. 2 hours. Professor CLARKE and Assistants

225–226—Practical instruction. 2 hours. Professor MATHEWS

227–228—Fractures. 2 hours. Professor WALKER

229–230—Practical instruction in surgery. 2 hours. Professor HOTCHKISS

231–232—Surgery. 2 hours. Dr. CONNELL

233–234—Surgery. 2 hours. Dr. RUSSELL

THERAPEUTICS

See introductory paragraphs, page 71

Professor of Clinical Medicine: LAMBERT (*Executive Officer*)
Associate Professor: WILLIAMS (W. R.)
Assistant Professors: LIEB and PATTERSON
Associate: BASTEDO

Instructors: CLASS, FREEMAN, GOODWIN, HABERMAN, HALE, and SCHULMAN

Assistants: BOYD and HUTTON

Clinical Assistants in Applied Therapeutics: ADAMS, BARTHOLOW, BANCEL, BECK (S.), FUHRMAN, LOWENS, LEVINE, LATTIN, MCALPIN

Courses **211–212, 213–214,** and **215** are open to candidates for the degree of A.M. or Ph.D. Course **211–212** is open to graduates in medicine

101–102—Experimental pharmacology. Lectures 1 hour; recitations 2 hours; laboratory work 4 hours. Professor LIEB and Drs. FREEMAN and GOODWIN

201–202—Principles of pharmacology and therapeutics. Lecture 1 hour. Professors WILLIAMS and PATTERSON and Dr. BASTEDO

204—Recitations on therapeutics. 2 hours. Dr. BASTEDO

205—Conferences on applied therapeutics. 1 hour. Professor LAMBERT

207—Lectures bearing upon the practical work of examining for life insurance. 3 lectures. Dr. ROGERS

209–210—Clinical instruction in therapeutics. 9 hours. Professor LAMBERT and Drs. HALE, SCHULMAN, CLASS, and MCALPIN

211–212—Psychopathology and psychotherapy, inclusive of the psychopathology, psychotherapy, and mental examination of the psychopathic child. 1 hour. Dr. HABERMAN

213–214—$^1/_2$ point credit. General pharmacology. Lectures 1 hour; laboratory work 6 hours. Professor LIEB and Dr. FREEMAN

215—Biological standardization of drugs. 7 hours. Professor LIEB

217—Practical prescription writing. 3 hours. Dr. FREEMAN

251–252—Research in pharmacology. Professor LIEB and Dr. FREEMAN

A journal club, composed of the members of the staff and graduates.

The laboratory is equipped with such apparatus as is necessary to study the pharmacologic action of the more important drugs.

TURKISH (see page 162)

ZOÖLOGY

See introductory paragraphs, page 71

Professors: BIGELOW, CALKINS, CRAMPTON, DEAN (B.), MORGAN (T. H.), OSBORN and WILSON (*Executive Officer*)

Associate Professor: MCGREGOR

Assistant Professor: OSBURN

Associate: GREGORY (W. K.)

Instructors: DEDERER, GREGORY (L. H.), and PACKARD

Assistants: LOWTHER, MULLER, SHUMWAY and YOUNG

Of the following courses, 1–2, 4 and 101–102 are given separately at Barnard College, 3, 5, 6, 53–54 and 151–152 only at Barnard.

For courses given at Teachers College see the current *Announcement of Teachers College.*

1–2—Elementary biology, zoölogy, general principles of biology. Prerequisite, Science A or elementary chemistry or physics. *C* 2 hours, *L* 4 hours. Professors CALKINS, MCGREGOR, Dr. PACKARD, and in Barnard, Professors CRAMPTON, OSBURN, Miss DEDERER and Dr. L. H. GREGORY

(Course 4 may be taken with advantage with 1–2 to form a more comprehensive course. It may be taken only in connection with or subsequent to 1–2)

3—Elementary histology. *C* 1 hour, *L* 2 hours. Miss DEDERER (Barnard College)

4—Elementary embryology. *C* 1 hour, *L* 2 hours. Professor MORGAN (Columbia College), Professor OSBURN (Barnard College)

5—General biology. *C* 1 hour, *L* 2 hours. Professor CRAMPTON (Barnard)

6—Experimental biology. *C* 1 hour, *L* 2 hours. Professor CRAMPTON (Barnard)

9—Modern theories in biology. 2 points. Professor CALKINS (Columbia College)

51—Histology and technique. *C* 1 hour, *L* 4 hours. Dr. PACKARD (Columbia)

53–54—Practical zoölogy and embryology. 2 points. Miss DEDERER (Barnard)

91–92—General zoölogy (to follow 1–2). *C* 2 hours, *L* 6 hours. Professor MCGREGOR

94—Embryology of vertebrates. *C* 1 hour, *L* 2 hours. Professor MCGREGOR. Prerequisite, 1–4

95–96—Comparative morphology of vertebrates. *C* 1 hour, *L* 4 hours. Professor MCGREGOR. Prerequisite, 1–2, 4

101–102—General zoölogy. *C* 3 hours, *L* 6 hours, and assigned work. Professor MCGREGOR, and in Barnard, Professors CRAMPTON, OSBURN, Dr. L. H. GREGORY, and Miss DEDERER. 2 full courses.

104—Comparative embryology of vertebrates. *C* 1 hour, *L* 2–5 hours. Professor MCGREGOR. Half course

105–106—Comparative morphology of vertebrates. Same as 95–96 with additional reading and laboratory work. Professor MCGREGOR. 2 half courses

110—The parasitic protozoa. *C* 1 hour, *L* 5 hours. Professor CALKINS. Full course

113—Experimental study of reflex actions and tropisms. *C* 1 hour, with demonstrations and opportunities for laboratory work. *L* 5 hours. Professor MORGAN. Full course

114—Experimental study of instincts. *C* 1 hour, *L* 5 hours. Professor MORGAN. Full course

151–152—General physiology (for women). *C* 2 hours, *L* 4 hours. Professor OSBURN and Dr. L. H. GREGORY. 2 full courses

201—Topics in invertebrate zoölogy. Two days. Professor WILSON. Double course

203–204—Mammals, living and fossil. Lectures and laboratory course 6 hours (one day). Dr. W. K. GREGORY. The latter part of this course is given in the American Museum of Natural History. 2 full courses

208—Comparative embryology. One day. Professor CALKINS. Full course

215–216—Experimental zoölogy. *C* 1 hour, *L* 5 hours. Professor MORGAN. 2 full courses

217—Experimental study of regeneration. 1 day. Professor MORGAN. Full course

218—Experimental embryology, parallel to 220. *C* 1 hour, *L* 5 hours. Professor MORGAN. Full course

220—Cellular embryology. 1 day. Professor WILSON. Full course

221–222—Protozoölogy. *C* 1 hour, *L* 5 hours. Professor CALKINS. 2 full courses

223–224—Evolution of the vertebrates. One day. Dr. W. K. GREGORY. 2 full courses

225–226—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON. 2 full courses

227–228—Special research

230—Experimental protozoölogy. *C* 1 hour, *L* 6–10 hours. Professor CALKINS. Full course

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

LECTURES—A course of lectures on general topics is given from time to time by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series.

Summer

S1—Elementary biology and zoölogy. 4 points. Professor MCGREGOR

S121—Protozoölogy. Full course. Professor CALKINS

E1–2—Elementary biology and zoölogy. 2 points each half year. Professor MCGREGOR

Equipment

The zoölogical laboratories on the upper floor of Schermerhorn Hall comprise graduate and undergraduate laboratories, suitably equipped with optical instruments, microtomes and other apparatus; and rooms for special research, supplies, aquaria and preparation. There is also a lecture-room, a library and an extended teaching collection comprising specimens, anatomical, embryological, and cytological preparations,

charts and wax models. The departmental library embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students.

Important adjuncts to zoölogical work are offered by the American Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories to which the University contributes support. Several investigators' tables are held at the Wood's Hole Laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory. A table at the Naples Zoölogical Station is also supported by the University.

UNDERGRADUATE ENTRANCE REQUIREMENTS

Committee

Professors JONES, *Chairman*, STEEVES, *Vice-Chairman*, BONSER, FITE, MCGREGOR (J. H.), MAYER, MORECROFT, NOYES, RUSBY, SACHS, SHERMAN (F. D.), THOMAS (C. W.), UPTON, VAN HOOK, WENDELL, Miss HOWARD and Miss HUTMAN.

General Statement

For candidates who elect to study under the Faculty of Political Science, Philosophy or Pure Science, or to enter a professional school of the University which demands preliminary College residence as a basis for entrance, *viz.*, Law, Medicine, Mines, Engineering and Chemistry, Architecture (for degree), Education, no formal entrance tests are prescribed. For all other candidates the University Committee on Admissions has charge of the entrance tests prescribed. Admission to the first year course in Columbia College, Barnard College, School of Architecture, (for certificate of proficiency), and College of Pharmacy, depends upon the results of written entrance examinations. The School of Practical Arts may be entered either by examination, or in approved cases, by school certificate.

Examinations and Records

The University issues annually a pamphlet entitled "Bulletin on Entrance Examinations and Admission." This pamphlet gives detailed information upon the following matters:

The Time schemes for the examinations of the College Entrance Examination Board and of Columbia University.

The dates for filing of applications. (Given also in academic calendar at end of this volume.)

Method of obtaining, filling out and filing application blanks and school records.

Fees for examinations and method of payment.

The award and duration of credits toward admission as a result of examinations, and information as to the conditions under which examinations may be divided among two or more periods.

The specific conditions of admission to each school requiring entrance examinations.

The official statements of the requirements in each subject, (including information as to the preparation and presentation of note books in subjects requiring such records).

This pamphlet may be had without charge upon application to the Secretary of Columbia University. Any person who intends to take examinations himself or to prepare others for them, should obtain a copy

of it and familiarize himself with its contents. *The information which follows here is merely a brief summary of that given fully and officially in the Bulletin.*

The minimum age for admission to the Freshman Class in Columbia College or Barnard College is 15; in Journalism, 17; in other schools, 18, with a corresponding increase in the case of advanced standing. For students entering from secondary schools, an estimate of character and personality, and a certificate of health must be presented, and in the case of students from other Colleges an honorable dismissal.

Students may enter Barnard or Columbia College either in February or in June.

Each candidate is required to take examinations in every subject offered for admission. In passing upon the result of these examinations the detailed school record of the candidate is taken into account and given great weight.

The examination requirements for admission may be satisfied by any one of the three following means, or by any approved combination thereof; the examination grades are interpreted in the light of the record which the student has made in school. The record for each subject must be filed with the University Committee on Admissions.

1. By the examinations of the College Entrance Examination Board in 1915 beginning on June 15, held at Columbia University and at about one hundred and fifty other educational centers in the United States and Europe.

2. By the examinations conducted at Columbia University by the Committee on Admissions. These examinations are held in September and January of each year (beginning on September 13, 1915, and January 13, 1916).

3. By the examinations of the New York State Examination Board in so far as their subject matter specifically corresponds to the stated requirements of Columbia College. These examinations are held in January and June at more than six hundred High Schools and other institutions in the State, but are ordinarily open only to students in those schools.

Credits A candidate may represent himself at any of the series of examinations scheduled above, but at not more than four in all, and the results may be credited toward entrance, subject to the following restrictions:

The results of an examination may stand to the candidate's credit twenty-nine months, but no longer. The reports of candidate's examinations and the School's statement of preparation must be in the hands of the Committee on Admissions one week prior to the opening of the term in September or January.

Subjects for Examination

Columbia University recognizes the following examination subjects which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of units as indicated in parentheses. The unit here represents the number of years at the rate of five periods per week, which will normally be required in the secondary school to prepare adequately for the college examination.

Columbia College: A.B. 14 1/2 units. *Prescribed,* 9 1/2 units—English (3); elementary mathematics (2 1/2); either elementary Latin (4) or Greek (3). *Elective,* 5 or 6 units—of which not more than 4 units from elementary French (2), elementary German (2), Italian (2), Spanish (2); nor more than 3 units from botany (1), chemistry (1), physics (1), physiography (1), shopwork (1), zoölogy (1); any of the following, except that to offer an advanced subject involves offering at the same time or earlier the corresponding elementary subject: elementary Greek (3), elementary history (2) or (1), drawing (1), music (1), intermediate French (1), intermediate German (1), advanced English (1), advanced Greek (1), advanced history (1), advanced Latin (1), advanced mathematics (1/2 – 1 1/2).

B.S. 14 1/2 units. The same as for the A.B. excepting that chemistry (1), physics (1), and intermediate or advanced subjects (2) may be offered in place of elementary Latin (4); in which case elementary Latin (2, 3, or 4) becomes elective. *Candidates for the six-year course in Columbia College and the Schools of Mines, Engineering and Chemistry must include solid geometry, plane trigonometry and intermediate French or intermediate German.*

Barnard College: A.B. 14 1/2 units. Same as Columbia College, with three units of Modern Language prescribed in place of three of the elective units and with the exception of shopwork, which is not an entrance subject for Barnard College.

B.S. 14 1/2 units. *Prescribed,* 11 1/2 units—English (3); elementary mathematics (2 1/2); 2 units from botany (1), chemistry (1), physics (1), physiography (1), zoölogy (1), at least three units in French or German or both, intermediate or advanced subjects (2). *Elective,* to make up a total of 14 1/2 units—as given under *Elective* Columbia College.

General two years' course 14 1/2 units. *Prescribed,* 5 1/2 units—English (3); mathematics (2 1/2). *Elective,* 9 units—Ancient or modern foreign languages (4); history, foreign languages, mathematics or science (5).

Candidates for the course in Journalism must offer English (3), History (2), French or German or both (4) *or* French or German (2) and Latin (4) *or* French or German (3) and Latin (3). They are not required to offer mathematics.

School of Architecture: For certificate 14 1/2 units. (Beginning with September, 1917, the course for the certificate will be discontinued. Two years of college work are required for admission to the course for the degree.) *Prescribed,* 9 1/2 units—English (3), mathematics (3 1/2), drawing (1), elementary French (2). *Elective,* 5 units—elementary German (2),

elementary history (2) or (1), elementary Latin (2), physics (1), chemistry (1), Spanish (2).

College of Pharmacy: B. S. in Phar., 14 1/2 units. *Prescribed*, 6 units—English (3), elementary mathematics and advanced arithmetic (3). To offer an advanced subject involves offering either at the same time or earlier the corresponding elementary subject. English (3), elementary French (2), elementary German (2), elementary Greek (3), elementary history (2) or (1), elementary Latin (4) or (2), elementary mathematics (2 1/2), music (1), (2), (3), or (4), physics (1), intermediate French (1), intermediate German (1), advanced Greek (1), advanced history (1), advanced Latin (1), advanced mathematics (1), botany (1), chemistry (1), drawing (1), physiography (1), shopwork (1), Spanish (2), zoölogy (1), Hebrew (2), bookkeeping (1) or (2).

School of Journalism: B. Litt., 14 1/2 units. *Prescribed*, 9 units. English (3), History (2), French, German, or French and German (4) (or a combination of both or either with Latin (6)). *Elective*, 5 1/2 units—Elementary French (2), elementary German (2), Italian (2), Spanish (2), elementary Latin (2, 3 or 4), elementary mathematics (2 or 2 1/2), botany (1), chemistry (1), drawing (1), physics (1), physiography (1), shopwork (1), zoölogy (1), intermediate French (1), intermediate German (1), advanced English (1), advanced French (1), advanced German (1), advanced Greek (1), advanced history (1), advanced Latin (1), advanced mathematics (1).

School of Practical Arts: B.S. in Practical Arts, 14 1/2 units. *Prescribed*, 7 units—English (3); 2 units from algebra (1) or (1 1/2), plane geometry (1), modern, commercial and higher arithmetic (1), biology (1), botany (1), chemistry (1), industrial and commercial geography (1), physics (1), physiology (1/2), physiography (1), zoölogy (1); 2 units from elementary French (2), German (2), Greek (3), Latin (2) or (3), Italian (2), Spanish (2), elementary history (1/2), (1), (2), (3), (4), industrial history (1), intermediate French (1), intermediate German (1), —advanced English (1) advanced French (1), advanced German (1), Greek (1), history (1), Latin (1), mathematics (1/2), (1) or (1 1/2). *Electives*, 7 1/2 units—in addition to further choices from the foregoing, and not more than 3 units in all from the following may be elected: drawing (1), household arts (1), (2), or (3), Music (1) or (2), shopwork (1), (2) or (3).

The following abridged statements give the general scope of the requirements in each subject. It should be noted that in several cases an examination subject outlined below will not be accepted toward admission to every school of the University. A candidate or teacher should compare the list carefully with the statements of the requirements of the school in which he is particularly interested.

Definitions

(Specimens of the question papers set by Columbia University are on file in the University Library or may be obtained from the Chairman of the University Committee on Admissions upon application. The

question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, New York.)

Arithmetic, Modern Commercial and Higher (One unit). (*May be counted for admission to the College of Pharmacy and the School of Practical Arts only.*)

Review of the principles of arithmetic applied to the solution of modern commercial and industrial problems. Emphasis should be given to the principles of modern banking, domestic and foreign exchange, etc. Special emphasis should be given to the application of these topics to practical problems.

Biology (One unit).

The course should include elementary work in Botany, Zoölogy and Physiology.

Botany (One unit). (1) Structure and life history of 16 or more types of representative families of plants, 10 of them seed plants. (2) Elementary plant physiology. (3) Elementary natural history (ecology of plants). Requiring one year of laboratory and class-room instruction, for the course. Note book to be submitted.

Chemistry (One unit). Preparation and properties of the common elements and their important compounds.

Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard elementary text-books, and forty or more laboratory exercises. Note book to be submitted.

Drawing (One unit). The ability to sketch freehand with reasonable accuracy—(*a*) From dictation: Simple geometrical figures; (*b*) From the object: A vase, household utensil, or other familiar object; (*c*) From the copy: Enlarging or reducing simple pieces of machinery or architectural or decorative detail. (At least 20 freehand drawings must be submitted.)

English (Three units). Beginning with June, 1915, examinations in (1) Grammar and Composition, and (2) Literature, will replace the examinations formerly given. The examination in English Literature will be based upon: (*a*) Books for reading, a list of which appears in the Announcement of the Committee on Admissions, and (*b*) Books for study, arranged in four groups, from each of which one selection is to be made.

Group I—Drama

Shakspere: *Julius Caesar* or *Macbeth*, or *Hamlet.*

Group II—Poetry

Milton: *L'Allegro, Il Penseroso*, and either *Comus* or *Lycidas.*

Tennyson: *The Coming of Arthur, The Holy Grail*, and *The Passing of Arthur.*

The selections from Wordsworth, Keats and Shelley, in *Book IV* of Palgrave's *Golden Treasury* (*First Series*).

Group III—Oratory

Burke: *Speech on Conciliation with America.*

Macaulay's *Two Speeches on Copyright*, and Lincoln's *Speech at Cooper Union.*

Washington's *Farewell Address* and Webster's *First Bunker Hill Oration.*

Group IV—Essays

Carlyle: *Essay on Burns*, with a selection from Burns's *Poems.*

Macaulay: *Life of Johnson.*

Emerson: *Essay on Manners.*

Those not familiar with the details of the new requirements for admission in English should consult the Announcement of the Committee on Admissions.

English, Advanced (One unit). Candidates must have covered substantially the same ground as that included under English A1–A2 (see page 122). (1) English composition, presupposing the elements of rhetoric. (2) General history of English literature, and selected works. Essays of certain specified types must also be submitted.

French, Elementary (Two units). Accurate pronunciation and the ability to read at sight easy prose and to put into French simple English sentences. The rudiments of the grammar, involving all but the rare irregular verb forms and the simpler uses of conditional and subjunctive. The preparation should include, beside the mastery of a good elementary text-book, the reading of 300–600 pp. of easy French.

French, Intermediate (One unit). Additional reading, 400–600 pp., including dramatic works. Grammar completed. Further drill in composition.

French, Advanced (One unit). Additional reading of from 600 to 1000 pages of standard French, classical and modern, the writing of numerous short themes in French, and the study of syntax.

Geography, Industrial and Commercial (Counting one unit). *May be offered for entrance to the School of Practical Arts only.*

One-third of this course should be devoted to the elements of physical geography, and commercial geography should be studied around countries as units. A note-book showing that map and atlas study has been carried on in connection with the text study must be submitted.

German, Elementary (Two units). Accurate pronunciation and the ability to read easy dialogue and narrative prose, and a working

knowledge of grammar and composition adequate for the putting into German of simple English sentences based upon a familiar vocabulary. The preparation should include, beside the mastery of a good elementary text-book, the reading of 150–200 pp. of easy German.

German, Intermediate (One unit). Additional reading, 400 pp. of moderately difficult prose and poetry. Further drill in grammar and composition, with special reference to syntax.

German, Advanced (One unit). Additional reading of about 500 pages of good literature in prose and poetry, reference reading upon the lives and works of the great writers studied, the writing of numerous short themes in German upon assigned subjects, independent translation of English into German.

Greek, Elementary (Three units). (*a*) 1 and 2.—Attic grammar and elementary composition, based on *Anabasis I–II.* (*b*) *Anabasis I–IV.* (*c*) *Iliad I–III* (except *II*, 494-end) with tests covering constructions, poetic forms, and prosody. (*f*) Translation into Greek of simple, continuous English prose. (*g*) Translation into English at sight of continuous Greek prose.

Greek, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Greek 3–4: at least 1200 additional lines in Homer, Herodotus, Bk. vi., and Plato's *Apology.* Also at least fifteen exercises in Spieker's *Greek Prose Composition.*

History, Elementary (Each of the four divisions, *a*, *b*, *c*, and *d* counts one unit. Candidates for admission to the Schools of Journalism and Practical Arts may offer one or more of the divisions without restriction. All other candidates may offer any one or any two of the divisions without restriction). (*a*) Ancient, beginning with brief study of Oriental peoples and coming down to the death of Charlemagne, with reference to art, literature and government. (*b*) From 800 on, including growth of the State system. (*c*) English history, including social and political developments. (*d*) American history with the elements of civil government.

Each field may best be covered by an accurate text-book of 300 pp., plus, say, 300 pp. of selected supplementary reading.

History, Advanced (One unit). The work performed must have been of the same kind, amount and quality as that required for History A1–A2 (see page 137). Supplementary reading emphasizing the significance of historical phenomena. The candidate must present at least 5000 words of notes on each historical field offered, and show

practice in making historical parallels, in preparing digests of outside reading, and in the use of historical maps.

History, Industrial (One unit). (*May be offered for entrance to the School of Practical Arts only.*)

Industrial History with special reference to the modern period and to the influence of the numerous factors of industrialism on the social, economic and political aspects of life.

Household Arts (One or two units). (*May be offered for entrance to the School of Practical Arts only.*)

(*a*) Textiles and Sewing. Nature of common materials, their manufacture and use, principles underlying the construction of simple garments by hand or by machine. Laboratory instruction of not less than 180 hours. Note-books to be submitted.

(*b*) Foods and Cookery. Nature of food materials, principles underlying their preparation and the principles involved in the cooking apparatus. Laboratory instruction of not less than 180 hours. Note-books to be submitted.

Advanced (either division counting one unit).

Italian, Elementary (Two units). The requirement corresponds to that in Elementary French (see p. 200).

Latin, Elementary (Four units), *i. e.*, Latin 4, Cicero and sight translation of prose; Latin 5, Virgil and sight translation of poetry, and Latin 6, Advanced prose composition; or three units, *i. e.*, Latin, 3 with either Latin 4 or Latin 5; or two units, *i. e.*, Latin 3.

Latin, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Latin **A1–A2** (see page 200). Horace, *Odes*, Bks. I and III, with incidental prosody, and 400 lines of Catulles's shorter poems; Livy, Book XXI, Chapters 1–45 inclusive. Book XXII, Chapters 2–7 and 43–56 inclusive; Terence's Phoemio. Specified exercises from Gildersleeve and Lodge's *Prose Composition*.

Mathematics, Elementary (Two and one-half units). (*a*) Elementary algebra, including—i, the four fundamental operations for rational expressions, and such topics as lowest common multiple, ratio and proportion, linear equations, radicals, fractional and negative exponents; ii, quadratic equations, arithmetic and geometric progressions, the binomial theorem for positive integral exponents, the use of graphical methods. (*c*) Plane geometry—original exercises, loci, mensuration of lines and plane surfaces.

Mathematics, Advanced (One-half to one and one-half units). (*b*) Advanced Algebra (One half-unit): Permutations and combinations, complex numbers, determinants, numerical equations of higher degree, theory of equations, graphical methods, Descartes's rule of signs, and Horner's method. (*d*) Solid geometry (One half-unit): Original exercises, loci problems, mensuration of surfaces and solids. (*e*)

Trigonometry (One half-unit): The principal formulas, simple equations and triangles, theory and use of logarithms (without infinite series).

Music.

(*a*) Musical Appreciation (not involving ability to perform nor to read from printed music) (One unit). (1) The principal musical forms and their historical development; (2) the lives and environment of Bach, Mozart, Beethoven, Schubert, and Chopin, and five other composers; (3) familiarity with certain designated compositions.

(*b*) Harmony (One unit). The elements of simple harmonization.

Physics (One unit). The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstrations and individual laboratory exercises—say mechanics, 13; sound, 3; heat, 5; light, 6; electricity, 8. Note-book to be submitted.

Physiography[1] (One unit). Preparation includes modern text-books and at least forty individual laboratory and field exercises—say earth as a globe, 5; ocean, 5; atmosphere, 12; land, 18.

Physiology (One-half unit). (*May be offered for entrance to the School of Practical Arts only.*)

Not less than 90 hours of text-book, demonstration and laboratory exercises covering each of the main topics in Physiology.

Shopwork (One unit). Involving in each subject 180 laboratory hours examination, both written and practical, on the use and structure of tools, nature of shop processes, methods of construction, and properties of materials. Authenticated models may be presented as evidence of technical skill.

The candidate may offer either (*a*) Woodwork—i, joinery; ii, turning and pattern-making, or (*b*) Forging, or (*c*) Machine-work.

Spanish, Elementary (Two units). The requirements correspond to those in elementary French; see page 200.

Zoölogy (One unit). Laboratory and field study, supplemented by text-book and further reading. (1) General natural history of common American animal types. (2) Classification of animals into phyla and leading classes. (3) Structure of typical animals. (4) Physiology of the types studied and comparison of life processes of animals and plants. (5 and 6) (in a very elementary way) Reproduction, embryology, and (optional) elements of cytology. (7) (optional) Biological history.

ADMISSION TO ADVANCED AND SPECIAL STANDING

(See Faculty Statements, page 204, *et seq.*)

[1] This is identical with the subject called Geography by the College Entrance Examination Board.

COLUMBIA COLLEGE

President BUTLER
Dean KEPPEL

Faculty *Term expires 1915:* Professors BIGONGIARI, CALKINS, COHN, CURTIS, EGBERT, FITE, GROVE, HERVEY, [1]JACOBY, KEMP, LOISEAUX, LORD, MCCASTLINE, NEISH, ODELL, PERRY, THOMAS

Term expires 1916: Professors DAVIS, ERSKINE, HAWKES, HAYES, HEUSER, JONES, Chaplain KNOX, LOCKWOOD, MASON, F. G. MOORE, SEAGER, SICELOFF, STEEVES, WENDELL, WOODBRIDGE, WOODWORTH, YOUNG

Term expires 1917: Professors AGGER, BEARD, FONTAINE, JORDAN, KEYSER, MCCREA, MCGREGOR, [2]MAYER, [2]MEYLAN, [2]MITCHELL (H. B.), SAIT, SCHUYLER, SELIGMAN, SHOTWELL, ALEXANDER SMITH, TASSIN, VAN DOREN

Committees ON INSTRUCTION: The Dean (*Chairman*), Professors ODELL, CALKINS, HERVEY, HAYES, HAWKES and LOCKWOOD.

ON SCHOLARSHIPS: The Dean (*Chairman*), Professors SCHUYLER, LOISEAUX, VAN DOREN.

Delegates to the University Council (see page 5.)

ENTRANCE

For the details of admission to the Freshman Class (see page 197).

Advanced Standing A candidate for admission to advanced standing upon basis of work done at another college should obtain and file, at least one week before the September or January entrance examinations, the appropriate application blank, with a transcript of his academic record, and a marked catalogue of the institution that he leaves.

Appropriate credits up to a maximum of 18 points of the 124 required may be made by students who offer more than the prescribed number of units at entrance.

Special Courses Students of serious purposes who are in a position to fulfil the requirements for admission to the Freshman class or who have had a valuable educative experience in practical life, may be admitted as non-matriculated students to pursue courses without reference to any degree. For details see the current *Announcement of Columbia College.*

[1] Absent on leave first half-year.
[2] Absent on leave second half-year.

REGISTRATION AND FEES (see page 55)

SCHOLARSHIPS (see page 474)

Program of Studies

The period within which the requirements for the degree of A.B. or B.S. may be satisfied varies with the capability and industry of the individual student. In most cases four years are spent in making the required number of points; students of ability and industry frequently complete the course in less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; no student may spend more than six years as a candidate for a degree.

General Regulation

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year, laboratory hours counting one-half.

2. When practicable, prescribed subjects must be taken during the first two years.

3. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year.

4. Prior to graduation the student must have completed the equivalent of three years of sequential study, in courses aggregating at least 18 points beyond the elementary requirement for admission, in each of two departments.

For A.B. candidates at least one sequence must be in Classical Philology, English, Germanic Languages and Literatures, History, Philosophy, or Romance Languages and Literatures; and for B.S. candidates at least one in Botany, Chemistry, Geology and Mineralogy, Mathematics, Physics, or Zoölogy.

5. Admission to courses depends strictly upon completion of the stated prerequisites. Where none is stated the course may be taken and counted for a degree by any student of the College.

6. A student whose record as to prescribed subjects is satisfactory to the Committee on Instruction is permitted upon completion of 94 points to elect two graduate courses which his previous training will enable him to pursue with profit.

7. No student may take more than four hours' work (not including laboratory work) on the same day, or more than nine hours' work per week in any one department.

8. No one-hour course will be allowed unless taken in connection with or as a supplement to a cognate course.

9. To be recommended for a degree, a student must have made at least 84 points in actual college residence and of these at least 24 in Columbia College.

For Honors Candidacy

Conditions of candidacy. Any student free from entrance conditions may, with the approval of the Committee on Instruction, elect

to study for a degree with honors and pursue a curriculum involving less prescribed work but more independent reading and more thorough study in chosen subjects than are required of the general candidates for a degree. The candidate for a degree with honors is relieved from much of the work prescribed for other students.

The choice of honor subjects. The choice between the honor curriculum and the general curriculum is ordinarily to be made not later than April 15 of the Freshman year. The candidate shall then choose one department in which he will offer honor work and shall be assigned to a representative of that department who shall thereafter act as his Faculty Adviser. In consultation with this Adviser the student shall elect, as he prefers, either one or two other sequential series of honor courses, and arrange a schedule of studies for the coming year.

The honor sequences. The granting of honors is dependent upon the completion with high standing of two or three approved three-year sequences together with such supplementary reading as may be required in connection therewith, and upon a final general examination covering the entire field of his honor work, for both of which suitable academic credit is given. If at the end of any term examination a student fail in two honor subjects to attain a grade of A or B, he is rejected as a candidate for honors and given appropriate credit toward an ordinary degree.

Final examination for honors. Upon the attainment of 112 points of College credit (or 116 for men offering but two honor subjects), including the satisfactory completion of the honor sequences, the candidate is given a final general examination in each of his three subjects. These examinations cover the class-room work of the three years, and test the extent and thoroughness of the assigned supplementary reading. A grade of A in all subjects entitles the candidate to receive a Bachelor's degree with highest honors. A combination of A's and B's entitles him to a degree "with high honors", and uniform grades of B to a degree "with honors." For further details see the current *Announcement of Columbia College.*

For Degree without Honors

Unless the equivalents have been offered for admission, the following courses, counting in points as indicated, are prescribed for students who are candidates for a degree but not for honors:

English A and B (10); History A (6); French or German, A and B (12); Mathematics A (6); Philosophy A (6); Physical Education (4); and also for A.B. only, Latin A or Greek 3–4 (6); two half-year courses in Natural Science (6 minimum), or for B.S. only, Chemistry A and Physics A (16).

A three-year program leading to the degree of B.S., with special reference to the professional courses in the Schools of Mines, Engineering and Chemistry has been organized. Full information regarding it may be obtained in the current *Announcement of Columbia College.*

Professional Options

A student desiring to enter upon professional studies before graduation from the College, who has completed not less than 64 points in Columbia

College[1] and has no deficiencies in prescribed work, may exercise one of the following options:

(*a*) Upon receiving 72 points' credit he may take the studies of the first year in any one of the following professional schools of the University, provided he can satisfy the stated requirements for admission thereto, and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in such professional course:

The College of Physicians and Surgeons
The School of Architecture
The School of Journalism

(*b*) Upon receiving 94 points' credit he may similarly take and count towards the Bachelor's degree one year's work in any of the above schools and also in the School of Law.

It should be noted that in general no course for which credit is given toward a professional degree may be included in the preliminary credit requirement.

Students may also, under suitable circumstances, offer toward the Bachelor's degree courses given at the Union Theological Seminary or the General Theological Seminary, or if they are within twelve points of receiving the Bachelor's degree, they may take certain graduate courses in addition to their undergraduate programs.

All students admitted with conditions are assigned for advice to the Committee on Admissions until such time as their entrance deficiencies or conditions be removed. All candidates for honors are assigned for advice to a representative of the department in which they first elect honor work. All other students are assigned to the Dean of the College, or to such officer of instruction or administration as he may designate.

The student's performance in a course is reported according to the following grades: A, excellent; B, good; C, fair; D, poor; F, failure.

A student who receives a mark of F in any prescribed course must repeat that course. If any half-year or Summer Session not more than one course, marked D, may be counted toward a degree.

Miscellaneous

The mark A in any two courses completed in a half-year or Summer Session (no course being counted twice) entitles a student who has not fallen below the mark B to one point of extra credit.

Matriculated students whose record as to entrance conditions and the completion of prescribed courses is satisfactory to the Committee on Instruction, are classified in the University Catalogue as follows:

Freshman, those who have less than 26 points
Sophomores, those who have completed 26 points
Juniors, those who have completed 58 points
Seniors, those who have completed 88 points

[1] In exceptional cases, students of high scholarship who have completed two years of college work elsewhere may satisfy the residence requirement by the completion of 34 points, not including Summer Session or Extension Teaching.

The following additional matters are dealt with in the current *Announcement of Columbia College* which may be had upon application to the Secretary of the University.

Description of Hamilton Hall. Advice as to choice of studies. Regulations governing absences. Statement of courses which may be taken by College Students with their prerequisites. Personal relations of students. Probational standing. System of examinations. Records and Reports.

REGISTER OF STUDENTS

COLUMBIA COLLEGE

NOTE.—Matriculated students are classified according to the regulations printed in the *College Announcement* for 1914–15.

SENIORS—CLASS OF 1915

AMANT, ALEXANDER.....New York City
ANTHONY, HAROLD ELMER.....New York City
ARMSTRONG, JOSEPH BARTLETT (candidate for honors).....New York City
AXELROD, HERMAN.....New York City
BAKER, FREDERICK WOOD.....Montclair, N. J.
BAKOVITZ, HARRY.....New York City
BARTHOLOW, BENJAMIN HILSDON.....Mt. Vernon, N. Y.
BAUMEISTER, PHILIP.....New York City
BELLINGER, WILLIAM HART.....New York City
BENIKOFF, ALEXANDER.....New York City
BERNSTEIN, HAROLD BERTRAM.....New York City
BHADKAMKAR, PURUSHOTTAM.....Satara City, India
BIERMAN, WILLIAM.....New York City
BIJUR, SHERMAN M.....New York City
BÖHM, EDWIN MILTON.....New York City
BOTSFORD, JAY BARRETT.....Mt. Vernon, N. Y.
BRAISLIN, WILLIAM DONALD.....New York City
BRANION, RAYMOND COOPER.....Albany, N. Y.
BRIDGES, MILTON ARLANDEN.....New York City
BROWN, J. EARLE.....New York City
BROWNELL, MAX.....New York City
BURGHARD, EDWARD GEORGE.....New York City
BUTLER, GEORGE PRENTISS, JR.....Yonkers, N. Y.
CANNON, TOWNSEND LAING.....New York City
CLARK, EDWARD BURCHAM.....New York City
CLARK, WILLIAM DANIEL.....Katonah, N. Y.
COLLETTI, JAMES.....New York City
COVER, JOHN HIGSON.....Johnstown, Pa.
DANIELSON, LESTER CLARK.....New York City
DANZIG, SAMUEL VALLANCE HYATT.....New York City
DARLINGTON, ELLIOTT C. BEARNS.....New York City
DERBYSHIRE, ALFRED JAMES, JR.....New York City
DIEBOLT, ALFRED LEO.....Buffalo, N. Y.
DODGE, PERCIVAL.....New York City
DU BOIS, ROBERT OGDEN.....New York City
DUNBAR, DOUGLAS LINDSEY.....Dobbs Ferry, N. Y.
DUNCAN, J. DONALD.....New York City
DWYER, WALTER WILLIAM.....New York City
EDINGER, ERNEST HAROLD.....Jersey City, N. J.
EDWARDS, FREDERICK TREVENEN.....New York City
EFFINGER, ROBERT CRAIG.....New York City
EISNER, MOSES N.....Poughkeepsie, N. Y.

Ellinger, Louis Julius.....New York City
Elwyn, Adolph.....New York City
Fay, Thomas Y.....New York City
Fein, Jacob.....New York City
Feinberg, Clement.....New York City
Fern, Samuel Sidney.....Elizabeth, N. J.
Fink, Emil Henry.....White Plains, N. Y.
Foerster, Walter F. L.....New York City
Foster, Henry Clay Lamar.....New York City
Francis, Lee Reynolds.....New York City
Freudenfels, Emil.....New York City
Fusfeld, Irving S.....New York City
Galt, John Meares.....Williamsburg, Va.
Gold, Henry.....New York City
Goodman, Herman.....New York City
Goodstein, Philip.....New York City
Grant, Pryor McNeill (candidate for honors).....Birmingham, Ala.
Haldenstein, Alfred A.....New York City
Hassinger, Philip Edward.....New York City
Herman, Harold.....New York City
Herrmann, Gaston Julien.....New York City
Herson, Otto.....New York City
Higgins, Gilbert Henry.....Bayonne, N. J.
Hoffman, Moses David.....Newark, N. J.
Holthusen, Henry Frank.....New York City
Holzinger, John J.....New York City
Huyler, Washington Connor.....Tenafly, N. J.
Hyman, Harold Thomas.....New York City
Ilsen, Werner Reginald (candidate for honors).....New York City
Johnston, William Sherman.....New York City
Kemp, Philip Kittredge.....New York City
Kimm, Willard Ives (candidate for honors).....Dolgeville, N. Y.
Kinney, John Aplin.....New York City
Kleban, Morris.....New York City
Klingenstein, Paul Henry.....New York City
Lambert, William Talbot.....New York City
Leonard, Benjamin F.....Newark, N. J.
Leonard, Chester Frederick.....New York City
Loesch, Hugo George.....New York City
Los Kamp, Harold.....New York City
Love, John Wheatley, Jr.....New York City
Lynch, James A., Jr.....New York City
McElhinny, John J.....New York City
McHale, William Joseph.....New York City
MacNair, Ira Preston.....New York City
MacRossie, Allan Albert.....New York City
Malisoff, William.....New York City
Mandl, Max Macbeth.....New York City
Marcus, Lazarus.....New York City
Margold, Charles William.....New York City
Meierhof, Harold L.....New York City
Mendes, Piza (candidate for honors).....New York City
Meyer, Herbert Lincoln.....New York City
Miller, Daryl Branch.....New York City
Mischlich, Henry Litchfield.....New York City
Moore, Walter V.....New York City

Mouquin, Louis H. F. ..... New York City
Munro, William Wallace ..... East Orange, N. J.
Murphy, James Adam ..... Buffalo, N. Y.
Nevin, William Morris ..... New York City
Newman, Fred Whitlock ..... New York City
Newman, Julien Whitlock ..... New York City
Norek, Alfred ..... New York City
O'Neale, James S., Jr. ..... New York City
O'Reilly, Vincent J. ..... Jersey City, N. J.
Paszek, Leon Frank ..... New York City
Pearl, Paul Louis ..... New York City
Perkins, John Richard ..... Greenwich, Conn.
Reuben, Milton Harold ..... New York City
Rhinehart, Archie Edward ..... New York City
Rice, Julian ..... New York City
Richard, Edward Karl ..... New York City
Robinson, Leland Rex (candidate for honors) ..... East Orange, N. J.
Root, William Raymond ..... New York City
Rosenman, Samuel Irving (candidate for honors) ..... New York City
Rothenberg, David M. ..... New York City
Rovillain, Eugene Etienne (candidate for honors) ..... New York City
Salwen, Emanuel ..... New York City
Sanborn, Vincent Guy ..... New York City
Sands, Walter Harold ..... Utica, N. Y.
Sceva, Lewis ..... New York City
Schneider, Herbert Wallace (candidate for honors) ..... Evanston, Ill.
See, Chong Su ..... Hongkong, China
Siegel, Julius ..... New York City
Slayton, Maximillian Henry ..... New York City
Smith, George Allen ..... Port Chester, N. Y.
Statton, Philo Arthur ..... Hagerstown, Md.
Stein, Morris ..... New York City
Stillman, Walter Martin ..... Council Bluffs, Ia.
Strauss, Samuel Wolff ..... New York City
Sweeney, John Gordon (candidate for honors) ..... New York City
Tabor, Elwood G. ..... New York City
Tashof, Jacob Julian ..... New York City
Tenopyr, Ottokar ..... New York City
Tichenor, Clifford Leigh ..... Mt. Vernon, N. Y.
Titlar, Ralph S. ..... Ossining, N. Y.
Trainer, Camillus Rogers ..... Huntington, N. Y.
Turets, David ..... Pittsburgh, Pa.
vom Saal, Rudolf Ernest ..... New York City
Weil, Frank Leopold ..... New York City
Wheeler, Paul Mowbray ..... Monsey, N. Y.
Wilsen, William Harry ..... Greenport, N. Y.
Wilson, John Albert ..... Bentham, England
Wolff, Marcus Salberg ..... New York City
Wood, Alexander Hemsley ..... New York City
Woodruff, William Harrison ..... Green Village, N. J.
Wülfing, Fred William ..... New York City
Wurm, Carl, Jr. ..... New York City

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JUNIORS—CLASS OF 1916

Allison, James Waters, Jr. (candidate for honor) ..... Richmond, Va.
Appelbaum, Emanuel ..... New York City

Appleby, Edgar Townsend.....New York City
Appleby, Francis Storm.....New York City
Archer, Daniel Gordon.....Nyack, N. Y.
Aspinwall, John Fawks.....Jersey City, N. J.
Atwood, Kimball Chase, Jr.....Oradell, N. J.
Baer, Sterling.....New York City
Baldwin, John Sears (candidate for honors).....New York City
Barker, P. Erskine.....Yonkers, N. Y.
Barna, Bernard Desider.....New York City
Barone, Melchisedech Alfred.....Norwalk, Conn.
Bartow, Charles Singleton, Jr.....New York City
Beck, R. Donald.....New York City
Bennett, Charles W., Jr.....New York City
Berick, Morris.....Cleveland, O.
Bierhoff, Alan Frederic.....New York City
Black, Douglas McCrea.....New York City
Bliss, Francis William.....Scarsdale, N. Y.
Brady, Francis Loyd.....New York City
Brainerd, Howard Randolph.....New York City
Brewton, Harold George.....Gloucester, Mass.
Bricker, Harry Charles.....New York City
Briant, Charles La Monte.....Ossining, N. Y.
Bucci, Nicholas (candidate for honors).....Jersey City, N. J.
Calder, Eckhardt.....Montclair, N. J.
Chadwick, Harold King (candidate for honors).....Madison, N. J.
Choy, Jun Ke.....Canton, China
Clark, Ward Rathburn.....Oneida, N. Y.
Cochran, George Gilfillan, Jr.....New York City
Cohen, Samuel Lewis.....New York City
Cohn, Charles Elias.....New York City
Conlin, Alan Bruce.....Plainfield, N. J.
Corbett, William H.....New York City
Cornwall, Clift.....Short Hills, N. J.
Cowperthwaite, Harold Frederick.....Westfield, N. J.
Crane, Arthur Seymour.....New York City
Craven, John D.....Jersey City, N. J.
Cronenberg, Charles William.....Mt. Vernon, N. Y.
Currier, Gilman Sterling.....New York City
Dinnerstein, Morris.....New York City
Drullard, Alfred Bennett.....New York City
Dunham, Franklin George.....New York City
Ehrlich, David Ernest.....New York City
Engel, Solton (candidate for honors).....New York City
Evens, Leon William.....New York City
Everson, Duane Reginald.....New York City
Finkle, Philip.....New York City
Fischer, Henry Sall.....New York City
Flowers, Hiland Lee.....New York City
Fogg, Wendell Gilman (candidate for honors).....New York City
Foirman, Reuben.....New York City
Fox, Edward Brown, Jr.....New York City
Franklin, Ruford Davis.....Summit, N. J.
Freedman, Isaac (candidate for honors).....Washington, D. C.
Frey, Walter Guernsey.....New York City
Girdner, Frederic William Conrad.....New York City
Gordon, Philip (candidate for honors).....Newark, N. J.

Graham, Sterling Edward.....New York City
Guggenheim, Robert Milton.....New York City
Hagemeyer, Frank Herbert.....New York City
Hall, Francis Chauncey.....New York City
Hamilton, Charles Edward.....New York City
Hammerstein, Oscar.....New York City
Hanaway, Roy Clark.....New York City
Haskins, Bayard Tremain.....Wellsville, N. Y.
Hastings, Frederick Allen.....New York City
Hayes, Ernest Albertus.....New York City
Henne, Arthur W.....New York City
Herman, Samuel.....New York City
Horowitz, Louis.....New York City
Jewett, Frederick William.....New York City
Johanson, Albert Mathew.....New York City
Kashden, Harlan Aaron.....New York City
Killough, Walter H. D.....New York City
King, George.....New York City
Klausner, David Maurice.....Jersey City, N. J.
Kornsand, Edmond Sylvan.....New York City
Krandle, Harry Milton.....New York City
Kupfer, Milton Philip.....New York City
Laguardia, Cincinnatti Giovanni Battista (candidate for honors)..New York City
Lamb, Harold Albert.....New York City
Lee, John Charles, Jr.....New York City
Lee, Tsing L.....Liongshong, China
Levine, Isadore Baer.....New York City
Levinsky, Aaron.....New York City
Liebovitz, David.....New York City
Loeb, Arthur Melville.....New York City
Louria, Henry Walter.....New York City
McCallum, Kenneth Lee.....New York City
McCracken, Robert Wylie.....New York City
Mahon, Elwood John.....New York City
Mariano, John.....New York City
Mayer, Jack Wilbur.....New York City
Meyer, H. Willy.....New York City
Miller, Howard Verplaunk.....New York City
Morris, William.....New York City
Naumer, Harry August.....New York City
Noonan, Raymond Lenox.....New York City
Norton, Alwin Wood.....Lawrence, N. Y.
Norton, Timothy.....New York City
O'Malley, Columbus A.....Yonkers, N. Y.
Ormsbee, Thomas Hamilton.....New York City
Osgood, Harold Symonds.....New York City
Osswalt, Robert Lewis.....New York City
Pearlman, Joseph.....New York City
Perry, Ralph Redman (candidate for honors).....San Francisco, Calif.
Pfeiffer, Walter Price.....New York City
Plunkett, Charles Robert.....New York City
Rado, Henry Rudolph.....Mt. Vernon, N. Y.
Rahmann, Walter.....Ossining, N. Y.
Raines, Morris Abel (candidate for honors).....New York City
Randolph, Wendell Grovers (candidate for honors).....New York City
Reeder, Rudolph Rex, Jr.....Hastings-on-Hudson, N. Y

RIGGS, BENJAMIN REATH.....London, England
ROBERTS, GEORGE HENRY, JR.....Peekskill, N. Y.
ROGERS, HERBERT WESLEY.....New York City
ROGERS, JOHN WILLIAM.....Newport, R. I.
ROTGARD, ISIDORE.....New York City
RUBENSTEIN, JACOB HYMAN.....Rochester, N. Y.
RUBIN, HENRY SAMUEL.....Bayonne, N. J.
RUSS, PHILIP WILLIAM.....New York City
SAMUELS, SAUL SIMON.....New York City
SAMWORTH, ROBERT PAWLEY.....Paterson, N. J.
SANDERS, GILBERT.....New York City
SARACHEK, JOSEPH.....New York City
SCHERPICH, EUGENE ARTHUR.....New York City
SCHOENZEIT, EMANUEL.....New York City
SHANHOLT, HARRY.....New York City
SHANHOLT, HENRY HARRIS.....New York City
SHEA, EDWARD HENRY (candidate for honors).....New York City
SIEGLER, JULIUS.....Jersey City, N. J.
SIMONDS, FRANCIS MAY.....New York City
SMITH, KENNETH.....Los Angeles, Calif.
SPINGARN, SAMUEL.....West Hoboken, N. J.
SPRINGSTEED, EDWARD HAROLD.....Albany, N. Y.
STEINER, LEO.....Newark, N. J.
STEINER, W. HOWARD.....New York City
STEPHENSON, ROBERT ABRAM.....New York City
STERN, DAVID SUSSMAN.....New York City
STERN, LEO (candidate for honors).....New York City
SULZBERGER, SHERIDAN ULLMANN.....New York City
SVIRSKY, MAX.....New York City
SWINK, DAVID CARSLILE.....Woodruff, S. C.
TAYLOR, WALLACE DOYLE.....New Rochelle, N. Y.
THACHER, CLIFTON OTIS.....North Dartmouth, Mass.
THOMPSON, R. W.....Tuckahoe, N. Y.
TODD, WARWICK HANFORD.....Dobbs Ferry, N. Y.
TRAUSIL, OTTO JOHANNES.....New York City
TREEN, ALFRED WILLIAM.....Winthrop, Mass.
TRISCHETT, S. SEYMOUR.....New York City
UPDIKE, GODFREY ERNST.....New York City
VAN GAASBEEK, HAROLD C.....New York City
WEED, LOWREY ALBERT.....Hillsdale, N. J.
WEISSENBORN, HENRY CHRISTIAN.....New York City
WELTON, WALTER FREDERICK.....New York City
WHITE, ARTHUR KENT.....Bound Brook, N. J.
WHITEHOUSE, FRANK VICTOR.....Troy, N. Y.
WIENER, MERVIN GERALD.....Newark, N. J.
WILLIAMS, GARDNER (candidate for honors).....New York City
WILLIS, HAROLD SATTERLEE.....New York City
WISE, RAYMOND LEO.....New York City
WITZELL, PAUL JOHN.....New York City
WOOD, FRANCIS APPLETON.....New York City
WOOD, PAUL MEYER.....New York City
ZIMMER, DANIEL BECKER.....New York City

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SOPHOMORES—CLASS OF 1917

ACOSTA, JULIAN ALBERT, JR.....New York City
ADAMS, HAROLD BISCOE.....New York City

ALLEN, DOUGLAS HEDDEN....New York City
ALLEN, WALTER CLARKE....Berkeley, Calif.
ALLISON, STANTON WILLETTS....New York City
ASTRACHAN, MORRIS....Jamaica, N. Y.
BABCOCK, EDWARD HOWARD, JR....New York City
BACON, ROSS MATTIS....Mt. Vernon, N. Y.
BAEVERTZ, FRANCIS P....Whittier, Calif.
BARSKY, GEORGE....New York City
BARTH, AUGUST STEPHAN (candidate for honors)....New York City
BEALS, JOHN DAVID, JR. (candidate for honors)....New Rochelle, N. Y.
BELLINGER, FREDERIC COUDERT....New York City
BENTON, NATHANIEL WISE....Neocho, Mo.
BERINSTEIN, WILLIAM....New York City
BERNSTEIN, MEYER (candidate for honors)....New York City
BERZON, HAROLD....New Rochelle, N. Y.
BIERSCHENK, WILLIAM....New York City
BLAUSTEIN, MAURICE....Yonkers, N. Y.
BREAKSTONE, RAPHAEL....New York City
BRENNECKE, ERNEST (candidate for honors)....New York City
BROUS, LEONARD (candidate for honors)....New York City
BUCHMAN, LOUIS....New York City
BUERMEYER, HERBERT ARTHUR....New York City
BURGHARD, GEORGE EHRET....New York City
BURGHARD, FREDERICK JOHN....New York City
BUSCH, IRVING....New York City
CHEN, CHIA HSUN....Changsha, China
CHRISTMANN, LUDWIG JACOB....New York City
CLAYDON, PETER DE BAUN....Mt. Vernon, N. Y.
CODLING, WILLIAM BRIGDEN....Northport, N. Y.
COHEN, AARON....New York City
COOMBS, LEROY....New York City
CRONK, HARVEY MORTON....New York City
CROOK, JAMES BEVERLY....New York City
CUDLIPP, JEROME MOORE (candidate for honors)....New York City
CULMAN, OTTO (candidate for honors)....New York City
CURT, WALTER E. (candidate for honors)....New York City
CURTIN, ENOS WETTLAUFER....New York City
DALY, RAYMOND JOSEPH (candidate for honors)....New York City
DANG, JARREN....Kwangsi, China
DAVIDSON, HAROLD BERTRAM....New York City
DAVIS, AARON WISE....New York City
DAY, CHARLES STEPHEN, JR....New York City
DEGRAFF, BARTHOLOMEW ROBINS (candidate for honors)....New York City
DENISON, ARCHIBALD CAMPBELL....New York City
DIETZ, MILTON....New York City
DOBIE, DUNCAN ALBERT, JR....New York City
DREYER, SAMUEL....New York City
EARLE, EDWARD MEAD (candidate for honors)....New York City
EAST, ARTHUR MILTON....Fremont, Nebr.
EDMAN, IRWIN (candidate for honors)....New York City
ELLIOT, ARTHUR CALVIN, JR....New York City
ELMER, PHILIP REES (candidate for honors)....New York City
ESKEY, CHESTER LEONARD....Wheeling, W. Va.
EVERSON, ROBERT KENNETH....New York City
FAIRCHILD, HOXIE NEALE (candidate for honors)....New York City
FEIGIN, SAMUEL....New York City

Feinberg, Sydney Charles.....New York City
Flower, Walter Crawford.....Passaic, N. J.
Fox, Donald Rossiter.....New York City
Furia, John Joseph.....New York City
Gaynor, Clarence Alfred Francis.....New York City
Geiger, Walter Joseph.....Sayville, N. Y.
Gelbhaus, Frederick H.....New York City
Gertz, Louis.....New York City
Gillespie, Hector Baxter.....Troy, N. Y.
Gilman, Coburn.....Denver, Colo.
Ginzburg, David.....New York City
Glennie, Alexander Cowles (candidate for honors).....Newark, N. J.
Globus, Joseph Haim.....New York City
Goerlich, Arthur Cyrus.....New York City
Gold, George.....Paterson, N. J.
Goldstein, Max Michael.....New York City
Golembe, Harry.....New York City
Golliek, William Anthony.....Jersey City, N. J.
Goodman, David.....New York City
Gordon, Kenneth James.....Weehawken, N. J.
Gorman, William Francis.....Nutley, N. J.
Gould, George Jay, Jr. (candidate for honors).....New York City
Haight, Vincent Wymand.....Montrose, N. Y.
Halter, Clarence Robert.....New York City
Hammarstrom, Charles Archibald (candidate for honors).....New York City
Hassan, Ali A., Jr.....New York City
Heath, Julian Dewey.....New York City
Helms, Harold Hotchkiss.....Randolph, N. Y.
Henderson, Francis Tracy.....New York City
Herman, Harry.....New York City
Herman, Irving.....New York City
Herstein, Karl Marx (candidate for honors).....New York City
Heydecker, Creagh Mitchell.....Philadelphia, Pa.
Hickey, T. Eugene.....Elliottville, N. Y.
Hiemenga, John J.....Passaic, N. J.
Hillman, William (candidate for honors).....Ellenville, N. Y.
Hines, Thomas Austin.....Newark, N. J.
Hooven, Wilbur Thomas, Jr.....Tenafly, N. J.
Howe, Robert Wood.....New York City
Huang, Tien Ming.....Hinghwa, China
Hughes, William Morris, Jr.....Albany, N. Y.
Hüneke, John Jacob.....New York City
Hyman, Charles.....New York City
Johanson, Francis Oscar (candidate for honors).....New York City
Kahn, Charles Leonard.....New York City
Kahn, Henry.....New York City
Kane, Ralph Freeborn (candidate for honors).....New York City
Kassel, Morris.....New York City
Kates, George Norbert.....Mt. Vernon, N. Y.
Katz, Hyman Abraham.....New York City
Kelly, William Joseph.....Lexington, Ky.
Kent, Stanley Leon.....Walden, N. Y.
Kern, Max.....New York City
Kilburn, Henry Thomas.....New York City
Kimball, Lindsley Fiske (candidate for honors).....New York City
Klein, Sidney.....New York City

KNOBLOCH, GEORGE HAROLD.....New York City
KNOX, JOHN PAIGE.....New York City
KORKUS, EDWIN FREDERICK.....New York City
KRAUS, FREDERICK.....New York City
KRULEWITCH, MELVIN LEVIN.....New York City
KURTZ, JACOB.....Manchester, N. H.
LADY, CLYDE HARTMAN (candidate for honor).....Arendtsville, Pa.
LAMADE, GEORGE ROBINSON.....Williamsport, Pa.
LANGTHORN, JACOB STINMAN, JR.....New York City
LEDING, ROBERT HERMAN (candidate for honors).....Ridgewood, N. J.
LEEDE, HORST EDWARD HERMANN.....New York City
LEVIE, MORTIMER JOSEPH.....New York City
LEVIN, HENRY.....New York City
LEVINE, JACOB (candidate for honors).....New York City
LEVY, MILTON FOWLER.....New York City
LEWIS, KENNETH MARE.....Short Hills, N. J.
LICCIONE, WILLIAM TITUS MARIUS.....Mt. Vernon, N. Y.
LICHTENSTEIN, ANSON.....New York City
LITTAUER, EMANUEL VICTOR.....New York City
LORENZ, ROBERT HOWARD.....New York City
MCCREERY, SYDNEY FRANCIS.....New York City
MCKEON, JOHN WHITTEN.....New York City
MANGES, HORACE S.....New York City
MAXWELL, WILLIAM GEORGE.....Dunmore, Pa.
MAYER, ALBERT.....New York City
MESSING, ARTHUR JOSEPH.....New York City
MEYER, DAVID LEOPOLD.....New York City
MILCH, HENRY (candidate for honors).....New York City
MILLER, WILLIAM HAROLD.....New York City
MONROE, HENRY CLAY.....New York City
MONTGOMERY, RICHARD BACON.....Plainfield, N. J.
MOORE, HENRY BOOTH.....Greenport, N. Y.
MORCH, EDWARD HENRY.....New York City
MORGAN, JOHN LEWIS.....New York City
MYERS, WAYNE VERNON (candidate for honors).....Rochester, N. Y.
MYLES, ROBERT CUNNINGHAM, JR.....New York City
NAHM, HORACE HAMILTON.....New York City
NEWBURGER, MORTON JOEL.....New York City
NOE, JAMES THURSTON.....Newark, N. J.
OBERRENDER, GIRARD FRANKLIN.....South Orange, N. J.
O'BRIEN, VERNON.....Terryville, N. Y.
ORLIANSKY, ISAAC LOUIS.....Newark, N. J.
PADDOCK, ARTHUR KITTREDGE.....New York City
PADWE, FRANK.....Jersey City, N. J.
PALMER, HOWARD WELCH.....Watertown, N. Y.
PENDLETON, NATHANIEL GREENE, JR.....New York City
PEPER, FREDERICK JOHN.....New York City
PEREA, JUAN AUGUSTO.....Mayagüez, Porto Rico
PEREA, SALVADOR.....Mayagüez, Porto Rico
PERKINS, RAYMOND LAMONT.....New York City
PERLA, LEO.....New York City
PLEUS, HENRY.....New York City
PONEMONE, IRVING W.....New York City
POTT, RICHARD MONCRIEFF.....New York City
PROFFITT, CHARLES GEORGE (candidate for honors).....Garnerville, N. Y.
RABINOWITZ, HYMAN REUBEN.....New York City

RANSOHOFF, NICHOLAS SIGMUND.....New York City
RAYMOND, BERNARD.....New York City
RICE, HUGH SMITH.....Madison, N. J.
RICHARDS, JULIUS KAPLAN.....New York City
RICHARDS, ROWLAND WHELDON.....New York City
RILEY, GEORGE WASHINGTON (candidate for honors).....New York City
ROBB, ARTHUR THOMAS, JR.....New York City
ROBINSON, MEYER SEYMOUR.....New York City
ROGERS, GEORGE GAILLARD.....Newark, N. J.
ROGERS, WILLIAM ALEXANDER.....Yonkers, N. Y.
ROSENBERG, JULIAN DELLEVIE.....New York City
ROTH, PHILIP A.....New York City
ROTHENBERG, WILLIAM.....Newark, N. J.
ROWAN, RICHARD WILMER.....Asbury Park, N. J.
ROWLAND, FLOYD HOOKWAY.....Walden, N. Y.
RYERSON, JOHN.....Bellerose, N. Y.
SACHAROFF, LEO SAMUEL.....New York City
SALVATORE, PAUL JOHN (candidate for honors).....New York City
SCHMITT, ROSWELL LAWRENCE.....Middletown, N. Y.
SCHULTE, HERBERT AUGUST.....Newark, N. J.
SCHUSTER, MAX LINCOLN.....New York City
SCHWANDA, WILLIAM EDWARD.....Winfield, N. Y.
SCHWARZ, HERBERT.....New York City
SCOFIELD, GLENNIE WILLIAM.....Warren, Pa.
SELDOWITZ, MORTON.....New York City
SHEALY, WILLIAM BRODIE.....White Rock, S. C.
SHEARS, RANDOLPH MOORE.....New York City
SHELDON, BRUCE SMITH.....New York City
SHEPARD, ROYAL FRANCIS.....Newark, N. J.
SHIBLEY, MAURICE.....New York City
SHLEVIN, EDMUND LESTER.....New York City
SIEGEL, BENJAMIN.....New York City
SMITH, EDMUND COE (candidate for honors).....New York City
SOMBERG, JOSEPH.....New York City
SOWAR, LEONARD SEBASTIAN.....Muncie, Ind.
SPERLING, ELLIOTT MARK.....New York City
SPIER, FRANKLIN.....New York City
SPRINGMEYER, FRANK THEODORE, JR.....Hoboken, N. J.
STARKE, EMORY POTTER (candidate for honors).....New York City
STOVER, SUMNER.....East Orange, N. J.
STRICKLAND, HAROLD ALBRO GARDNER (candidate for honors)..Port Washington, N. Y.
SUCKLEY, ARTHUR RUTSEN LYNCH.....Rhinebeck-on-Hudson, N. Y.
TABER, JOHN HUTTLESTON.....Danville, Pa.
TEALL, HENRY PAULL (candidate for honors).....Bloomfield, N. J.
TODD, KENNETH WILLIAM.....Dobbs Ferry, N. Y.
TOWNS, EDWARD BARBOUR.....New York City
TOWNSEND, LANDON MCDUFFIE.....Raeford, N. C.
TSAI, MO-CHUNG.....Shanghai, China
TUCKER, FRANK LANDALE, JR.....New York City
VAN DE WATER, STERLING HAWES.....New York City
VAN NESS, CARL CONDIT.....Newark, N. J.
VON BERNUTH, ANTON FREDERICK.....New York City
VON EMBURGH, GEORGE HENRY.....Arlington, N. J.
WADELTON, WILLARD STRATTON.....Hartsdale, N. Y.
WANG, YU.....Kiangsu, China
WARD, FRANK TAYLOR.....New York City

WARNER, DANIEL DUDLEY.....Riverhead, N. Y.
WARSHOW, JOSEPH.....New York City
WATT, ROBERT WILSON.....Hamburg, N. J.
WEAVER, JOHN HOWARD (candidate for honors).....New York City
WECHSLER, ALBERT LOUIS (candidate for honors).....New York City
WEILER, EDWARD WILLIAM.....New York City
WEINBERG, FRANK J. C.....New York City
WEINHANDLER, MILTON.....New York City
WELDING, JAMES RUSSELL.....White Plains, N. Y.
WERTHEIMER, JEROME S.....New York City
WIGGINS, THEODORE DU BOIS (candidate for honors).....Freeport, N. Y.
WILBER, ARTHUR BOYNTON.....Potsdam, N. Y.
WILLIAMS, SPENCER CHARLES (candidate for honors).....Buffalo, N. Y.
WOLF, IRA MAURICE.....New York City
WOLFNER, IGNATIUS BENEDICT.....New York City
WORMSER, RENÉ ALBERT.....New York City
WURZBACH, FREDERICK ALFRED, JR.....New York City
ZEIGER, SAMUEL.....New York City

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FRESHMEN—CLASS OF 1918

ABELL, ROSS ADAMS.....New York City
ABELOV, ISADOR.....New York City
ABRAHAMS, HENRY BRASH.....New York City
ABRAHAMSON, EMANUEL MAURICE (candidate for honor).....New York City
ABRAMSON, ALEXANDER ELIAS.....New York City
AIMEE, JOSEPH MARION.....New York City
ALBRECHT, IRA WERNER.....New York City
ALZAMORA, ISAAC DE LA CRUZ, JR.....New York City
APPLEBEE, EWARD WARD.....Ossining, N. Y.
ARCAUTE, JOSEPH ALBERT.....New York City
ARMSTRONG, CARLOS GABRIEL.....New York City
ARONOFF, JACOB BROCHES.....New York City
ARONSON, MORRIS.....New York City
ASCHER, CHARLES STERN.....New York City
ASH, MERVIN.....New York City
AUL, HAROLD EDWARD.....New York City
BACON, LEONARD WOOLSEY, JR.....New Haven, Conn.
BAKER, JOHN PERCY.....New York City
BALDWIN, JOHN BRAITHWAITE.....New York City
BANAWALKER, VISHVANATH NARAYAN.....Baroda, India
BARBARITO, WILLIAM NICHOLAS.....Danbury, Conn.
BARBER, LESTER ALEXANDER.....New York City
BARBOUR, LAMONT.....New York City
BARISH, THOMAS.....New York City
BARKER, WILLIAM JAY, JR.....Riverside, Conn.
BAROVICK, SIDNEY HYMAN.....New York City
BARRETT, CHARLES RICHARD.....New York City
BARSKY, EDWARD.....New York City
BATTEN, CHARLES ALBERT.....Rye, N. Y.
BAUSER, ANTHONY EDWARD.....New York City
BAXTER, GEORGE ROSWELL.....New York City
BERG, JACOB.....New York City
BERG, MORRIS.....Troy, N. Y.
BERGMANN, CARL ALFRED OSCAR, JR.....New York City
BERKEY, PAUL AINSWORTH.....Palisade, N. J.
BERKOWITZ, EDGAR LOUIS.....New York City

Bernard, Abbott.....New York City
Bernstein, Herbert Henry.....Glen Cove, N. Y.
Beuerman, Rudolf John.....New York City
Bijur, Jerome M.....New York City
Blasenstein, Joseph.....New York City
Boland, John Ralph.....New York City
Bonime, Ralph Gabriel.....New York City
Bouton, Dean Gregory.....New York City
Bowers, Frank Collis.....New York City
Bowles, Joseph Parker.....New York City
Boyce, Cyril.....New York City
Boyd, Irving George.....Jersey City, N. J.
Brace, Ernest Frank (candidate for honors).....New York City
Brickner, Richard Max.....New York City
Brown, Le Roy Lavalette.....New York City
Brown, Farrington Wade.....New York City
Brown, Joseph H.....Florida, N. Y.
Brown, William Bernard.....New York City
Bryan, Joseph A.....New York City
Bryan, Walter Charles.....New York City
Bull, Clifton Banham, Jr.....New York City
Bullock, Harry Leslie.....Chappaqua, N. Y.
Bullwinkel, H. Griffin.....New York City
Bunnekamp, William Edward.....South Englewood, N. J.
Burke, Stephen Patrick.....New York City
Busch, Lawrence Carl Victor.....Elizabeth, N. J.
Byrne, William Joseph.....New York City
Callahan, Walter Stewart.....New York City
Cash, Cyril Gordon.....Rye, N. Y.
Cassasa, Alfred Bartholomew.....New York City
Caygill, Harry Winant.....Mt. Vernon, N. Y.
Chamberlain, Kenyon Field.....Cornwall, Conn.
Chasan, Isaac.....New York City
Chew, William Newman.....Babylon, N. Y.
Christoffers, Carl.....New York City
Cleary, Eugene Henry.....New York City
Coates, Whitfield Clarke.....New York City
Cochran, David Austin.....New York City
Cohen, Aaron Barnett.....New York City
Cokefair, Allen Jerome.....Yonkers, N. Y.
Comminsky, Joseph.....New York City
Cone, Harold Joseph.....New York City
Conrad, William Leaman.....Watkins, N. Y.
Conti, Antonio Milio.....Yonkers, N. Y.
Conti, Attilio Carlo Luigi Joseph.....Yonkers, N. Y.
Cook, Ralph Cummings.....New York City
Cook, Seymour Houghton.....New York City
Cooper, George V.....New York City
Coudert, Frederic R., Jr.....New York City
Coumbe, Harold Albert.....New York City
Countiss, Frederick N.....Chicago, Ill.
Courtney, Howard Wright.....New York City
Cowen, Rudolph Henry.....New York City
Crawford, Arthur Richard.....New Rochelle, N. Y.
Criswell, William Thomas, Jr.....New York City
Critzas, Evangelos J.....New York City

CROALL, JAMES LOUIS ..... Jersey City, N. J.
CROCE, JOSEPH ..... New York City
CURRY, ARCHIBALD CHICHESTER ..... New York City
DASH, THOMAS ..... New York City
DAVIDOW, PAUL HAROLD ..... New York City
DAVIS, WALTER ELBERT ..... Millers Place, N. Y.
DAY, SELBY JAMES ..... New York City
DEBELLIS, HANNIBAL ..... New York City
DECKER, M. G ..... Hoopeston, Ill.
DECKER, RALPH KEMPTON ..... New Rochelle, N. Y.
DE SANTIS, JOSEPH ..... New York City
DI MURIA, ERNEST HAROLD ..... New York City
DENNIS, JOHN ALLSTON ..... Westfield, N. J.
DEWAR, WILLIAM ..... New York City
DICKIE, GEORGE WILLARD ..... Morristown, N. J.
DI GIACOMO, JAMES CYRUS ..... New York City
DI LORENZO, COSTABILE ..... New York City
DINEGAR, ROBERT HENRY FALES ..... New York City
DOHM, JOHN CHRISTIAN ..... New York City
DOHRENWEND, GUSTAV JOHN, JR ..... New York City
DOHRENWEND, OTTO EWALD ..... New York City
DONALDSON, JAMES HOWLAND ..... New York City
DONNELL, RICHARD ROBINSON ..... New York City
DOOLITTLE, ARTHUR KING ..... Oberlin, O.
DORNES, JOSEPH ANTHONY ..... Winfield, N. Y.
DREUX, PAUL SEYMOUR ..... New York City
DRUSS, LOUIS J ..... New York City
DURKIN, WILLIAM JOSEPH ..... New York City
DUSKIS, LEOPOLD ..... New York City
EFRON, ALEXANDER ..... New York City
EILPERIN, GEORGE ..... New York City
ELIOT, AMORY VIVION ..... New York City
ELY, GEORGE WILLIAM, 2ND ..... New York City
EVENCHICK, ABRAM ..... New York City
FAIRFIELD, JOHN ..... East Orange, N. J.
FALK, STANLEY GEISMER ..... Buffalo, N. Y.
FANELLI, ROCCO ..... New Rochelle, N. Y.
FARR, FREDERICK LOCKROW ..... Mt. Vernon, N. Y.
FELDMAN, PHILIP ..... New York City
FELLER, HENRY ..... New York City
FELSHIN, MAX ..... New York City
FENDLER, HAROLD EMANUEL ..... Mt. Vernon, N. Y.
FERNANDEZ, MANUEL ..... New York City
FEZANDIÉ, EUGENE HECTOR ..... New York City
FIERSTEIN, JACOB ..... New York City
FINE, MOSES ..... New York City
FIRTH, MILTON WARREN ..... Nutley, N. J.
FISCHER, DIETERICH PAUL MAX ..... New York City
FISHER, HENRY JACOB, JR ..... New York City
FISHMAN, MELVIN ..... New York City
FOWLER, JOHN CAMPBELL ..... New York City
FOWLER, THOMAS LOURDES ..... New York City
FREUDENHEIM, LEON DAVID ..... Yonkers, N. Y.
FRIDENBERG, ROBERT, JR ..... New York City
FRIEDENBERG, DAVID ..... West Hoboken, N. J.
FROSCH, HYMAN LOUIS ..... New York City

Funcke, Walter Arthur.....New York City
Gaither, Edwin Hampton.....New York City
Garcia, José.....New York City
Garfunkel, Louis.....New York City
Gedney, Austin H.....Mamaroneck, N. Y.
Geib, Amos Philip.....Manheim, Pa.
Gerbereux, Walter Daniel.....Yonkers, N. Y.
Gibson, James Broderick.....Buffalo, N. Y.
Gill, George Anthony.....New York City
Gillette, George Wolcott Trofast.....Garden City, N. Y.
Gillis, Adolph.....New York City
Gilmore, Samuel Louis.....New York City
Ginzburg, Samuel.....New York City
Gittleson, Mitchell.....New York City
Glass, Emanuel.....Suffern, N. Y.
Glenn, Grosvenor Eugene.....New York City
Gluck, Edward (candidate for honors).....New York City
Goldberg, Benjamin.....New York City
Goldstein, Isidor E.....New York City
Goode, John Cardozo.....New York City
Goodman, Arthur Herbert.....New York City
Gordon, Daniel.....New York City
Gray, James.....New York City
Greenberg, Samuel Lawrence.....New York City
Greenough, George Bartlett.....Saranac Lake, N. Y.
Gropper, Milton Herbert.....New York City
Gruenstein, Edgar.....New York City
Grussner, Aurel Neville.....New York City
Guilshan, John Henry.....New York City
Gunther, Edwin Lawrence.....Mt. Vernon, N. Y.
Gutmann, James.....New York City
Haas, Louis.....New York City
Hadad, Isaac Alphie.....New York City
Hajek, Charles William.....Winfield, N. Y.
Hallock, Edward Story.....Mt. Vernon, N. Y.
Halpern, Samuel.....Newark, N. J.
Hamilton, Macaulay.....Rye, N. Y.
Handin, Louis.....New York City
Hanser, David Irving.....New York City
Hanemann, Henry William, 2nd.....New York City
Harrison, Christopher Joseph.....Torrington, Conn.
Harrison, Emanuel Emile.....New York City
Harrison, James Renwick.....McKeesport, Pa.
Hart, Henry Augustine.....Morristown, N. J.
Healy, Jefferson.....New York City
Hedstrand, Gustaf Fabian.....Danbury, Conn.
Heldt, Francis Henry (candidate for honos).....New York City
Herman, Alexander.....New York City
Herzig, Siegfried Maurice.....New York City
Hirons, Gardner.....New York City
Hirshfield, Ira Wilson.....New York City
Hobbs, Kenneth Slawson.....New York City
Hoehn, Alfred Jacob.....New York City
Hollander, Clifford.....New York City
Holbeck, Elmer.....Port Chester, N. Y.
Holst, William Augustus, Jr.....New York City

HOMLET, HARRY.....Canton, China
HONIGSTOCK, DANIEL.....New York City
HOPKINS, FREDERICK MERCER, JR.....Yonkers, N. Y.
HOPKINS, JAMES WYATT.....New York City
HOROWITZ, HARRY.....New York City
HOTCHKISS, HORACE LESLIE, 3RD.....Rye, N. Y.
HUELSENBECK, ALFRED LOUIS.....Irvington, N. J.
HUSTON, ARTHUR TILLINGHAST.....New York City
HUTNER, SYDNEY.....New York City
ILLMAN, FLETCHER GILLESPIE.....Buttzville, N. J.
IVINS, CARROLL PERRY.....Trenton, N. J.
JACOBSEN, WALTER HENRY.....Perth Amboy, N. J.
JACOWITZ, HARRY.....New York City
JENIK, LOUIS ADOULPH.....New York City
JOHNSON, GEORGE STEVENS.....Bellmore, N. Y.
JOSEPH, LEON WILLIAM.....New York City
JOSEPH, LOUIS W.....New York City
KALT, HAROLD LESLIE.....New York City
KAHN, SIDNEY.....New York City
KANDEL, MONTEFIORE.....New York City
KANE, HENRY SENEY.....New York City
KAPLAN, LEO.....New York City
KATZ, SAMUEL E.....Jersey City, N. J.
KATZ, WILLIAM.....New York City
KAUFMAN, ABRAHAM JACOB.....New York City
KAUFMAN, LEON DAVID.....New York City
KEMPNER, ALAN HORACE (candidate for honors).....New York City
KENNEDY, DANIEL EDWIN.....New York City
KEOGH, RICHARD EMMET.....New Rochelle, N. Y.
KER, DAVID.....New York City
KERR, FREDERICK JOHN.....Edgewater, N. J.
KIRSH, BENJAMIN.....New York City
KIRWAN, ARTHUR JOSEPH.....New York City
KLEIMAN, MAX.....New York City
KLINGENSTEIN, PERCY.....New York City
KNICKERBOCKER, WILLIAM SKINKLE.....New York City
KNOTE, FREDERICK CORNING.....New York City
KNOX, LEONARD WEST.....Glen Ridge, N. J.
KOCH, GEORGE TROYER.....Grantwood, N. J.
KOWARSKY, LOUIS.....New York City
KRAELING, CARL HERMANN.....New York City
KRANOWITZ, WILLIAM CARL.....New Britain, Conn.
KREUTZER, LOUIS GEORGE.....New York City
KUNHARDT, KINGSLEY.....New York City
KURZROK, RAPHAEL.....New York City
KUYKENDALL, CLARK PORTER.....Towanda, Pa.
LABARRE, NELSON EUGENE.....New York City
LAHEY, RICHARD WILLIAM.....New York City
LAMB, DONALD WINGATE.....New York City
LANGDON, ARTHUR NORNINGTON.....New York City
LANGE, HERBERT WALTER.....White Plains, N. Y.
LAPOLLA, MAZZINI LAVINO.....New York City
LATHROP, ALBERT SPICER.....Shelton, Conn.
LATOUR, CASPER CHARLES.....New York City
LEAVITT, PHILIP B.....New York City
LEDER, IRVING.....New York City

Leerburger, Benedict Aaron.....New York City
Lefkowitz, Frederick.....New York City
Lehman, Hart.....New York City
Leighton, Leon Emile.....Pelham Manor, N. Y.
Lemelson, Julius.....New York City
Leonard, James Richard.....Worcester, Mass.
Leslie, Robert.....New York City
Leung, Peter.....Hongkong, China
Levin, Jasper Joseph.....New York City
Levine, Meyer.....New York City
Levitt, Morse David.....New York City
Lewis, Kassel O.....New York City
Leys, Duncan W.....Yonkers, N. Y.
Lichtenstein, Albert Samuel.....New York City
Lieberman, Samuel Harry.....New York City
Lief, Aaron Richard.....New York City
Lin, Tse I.....Tsinan City, China
Liu, Tien Toh.....Changsha, China
Lobo, Julio.....Havana, Cuba
Lobsenz, Meyer.....Passaic, N. J.
Lofthouse, Merrill.....Monroe, N. Y.
Logan, Charles Thomas, Jr.....Palisade, N. J.
Loiseaux, Roland Louis.....New York City
Lowenberg, Walter Albert.....St. Joseph, Mo.
Lu, Shi Yung.....Luliang, China
McCabe, Selden Partridge.....Yonkers, N. Y.
McCoy, Walter Ambrose.....New York City
McDermott, William.....Guttenberg, N. J.
McEvoy, Arthur Francis.....Hudson, N. Y.
McGarvey, Edward.....New York City
McHargue, Willard Raymond.....Jacksonville, Fla.
McKenna, Walter William.....New York City
McKim, Robert Remsen.....New York City
McMillin, Frank Emerson, Jr.....New York City
Machacek, Gerald Frank.....New York City
MacKellar, John Walter Beattie.....Blauvelt, N. Y.
Macksey, Kenneth William.....East Orange, N. J.
Mahland, Harry Albert.....New York City
Mahnken, Harold John.....New York City
Mankiewicz, Herman Jacob (candidate for honors).....New York City
Mansbach, Percy Purcell.....New York City
Marcus, Lawrence.....New York City
Marks, Edward Sidney.....Arlington, N. J.
Marraffino, Vincent Sebastian.....New York City
Martin, George Washington.....New York City
Martyn, Burr.....New York City
Massett, Chester Stephen.....New York City
Mattison, Sidney.....New York City
Maue, Henry Peter.....New York City
Maurer, William Retschy.....New York City
Meagher, Edward Columba.....Montclair, N. J.
Mebane, Donald Cummins.....Wilkes-Barre, Pa.
Meister, Edward Henry.....New York City
Meisterman, Samuel Gamaliel.....Arlington, N. J.
Mendez, Ricardo.....Lares, Porto Rico
Merritt, George Hunter.....Newburgh, N. Y.

MERTENS, ROBERT ERNEST.....New York City
MERTL, JOHN MICHAEL.....New York City
MESSINA, JOSEPH.....New York City
MEYER, ERWIN F.....New York City
MEYER, HARRY H.....New York City
MICHAELIAN, FRANK M.....New York City
MILDRUM, ROY.....Rosebank, N. Y.
MILLER, HOWARD MILTON 2ND.....New Rochelle, N. Y.
MINSKY, HENRY.....New York City
MINTURN, THOMAS.....New York City
MINOLI, SILVIS.....New York City
MOOLTEN, RALPH R.....New York City
MOONEY, JOSEPH JOHN.....New York City
MOORE, WALTER LOUIS.....Springfield, Mass.
MORLEY, THEODORE ANDREWS.....East Orange, N. J.
MORRIS, EDWIN.....New York City
MULLEN, ALFRED.....New York City
MÜLLER, ALFRED J.....New York City
MURPHY, RICHARDSON.....Rochester, N. Y.
MURRAY, CHARLES V.....Verplanch, N. Y.
MURRAY, JOHN PAUL THOMPSON.....New York City
MUSSAEUS, WILLIAM THEODORE.....New York City
NADEL, LOUIS.....New York City
NAG, ROBINDRA CHANDRA.....New York City
NELSON, ARTHUR STANTON.....Carmel, N. Y.
NELSON, CLINTON LINDREN.....Nyack, N. Y.
NELSON, JAMES HOMER.....Cold Spring, N. Y.
NES, WILLIAM HAMILTON.....Washington, D. C.
NEWMAN, JEROME A.....New York City
NICHOLS, LAWRENCE HERBERT.....East Lynn, Mass.
NOBLE, JAMES KENDRICK.....Yonkers, N. Y.
NODINE, EDWIN ROGERS.....New Rochelle, N. Y.
NORTON, JAMES CHARLES.....New York City
O'LOUGHLIN, ROBERT ROY.....New York City
OPPENHEIM, SAUL.....New York City
ORNSTEIN, MAX.....New York City
OSSWALT, OSCAR HAROLD.....New York City
PAPAZIAN, GEORGE WASHINGTON CASS.....New York City
PAPP, JOHN JULIAN.....New York City
PARK, STEWART JESSE.....Saranac Lake, N. Y.
PASNER, SAMUEL DAVID.....New York City
PASSARELLI, LOUIS ALPHONZO.....New York City
PAULEY, CHARLES THOMAS.....Ridgebury, N. Y.
PENNELL, ROBERT OTIS.....Newark, N. J.
PERSKY, ARTHUR.....New York City
PETCHTLE, BOUCK.....New York City
PICKETT, RALPH EDGAR.....New York City
PIECZONKA, CHARLES WALTER.....Ocean Grove, N. J.
PIEL, RUDOLF ALFRED.....New York City
PINES, ROBERT ABRAHAM.....New York City
PLACE, ROBERT H.....New York City
POHLMANN, HARRY FRANCIS.....Middletown, N. Y.
PRANSPILL, ANDREW.....New York City
PRENDERGAST, THOMAS HULL.....New York City
PRICE, IRVING ISADORE.....New York City
PROBST, NATHAN.....New York City

PROCHAZKA, JULIUS ALBERT.....New York City
RAYMOND, WARRINGTON.....New York City
REAGAN, CHARLES AUSTIN.....Norfolk, N. Y.
REDMAN, BENJAMIN.....New York City
REDPATH, ALBERT GORDON.....Vineland, N. J.
REESE, RAYMOND.....Yonkers, N. Y.
REGAN, JOSEPH GERARD.....Upper Montclair, N. J.
REHLAENDER, DOUGLAS LINCOLN.....Albany, N. Y.
REICHLE, HERBERT SIEGFRIED.....Irvington, N. J.
REITMAN, EDWARD.....New York City
REINHEIMER, HOWARD EMANUEL.....New York City
RETTKER, WALTER FREDERICK.....Hilton, N. J.
RHINELANDER, PHILIP.....New York City
RHODEBECK, EDMUND J.....New York City
RIGHI, A. HARRY.....New York City
RIPIN, MORTIMER M.....New York City
RITTER, HERBERT J.....New York City
RIVELSON, SAMUEL MORSE.....New York City
ROBB, KENNETH EVERETT.....New York City
ROBBINS, HADDON SPURGEON.....Edgewater, N. J.
ROBERTS, MEREDITH JONES.....New York City
ROCHE, AUSTIN SUMMERFIELD.....Garden City, N. Y.
ROGERS, RICHARD REDMOND.....New York City
ROSE, HAROLD ARTHUR.....Mt. Vernon, N. Y.
ROSEN, HYMAN WILLIAM.....New York City
ROSEN, ISIDORE.....New York City
ROSENBLUM, DAVID INGERSOLL.....New York City
ROSENTHAL, ABRAHAM.....New York City
ROSENTHAL, MORRIS SIGMUND.....New York City
ROSENZWEIG, JOSEPH.....Hackensack, N. J.
ROTH, PHILIP ARTHUR.....New York City
RUSSAKOW, FRANCIS WASHINGTON.....Buffalo, N. Y.
RUSSELL, JAMES EARL, JR.....New York City
RYAN, JOHN JAMES.....Johnstown, N. Y.
SAMEK, CHARLES HUGO.....New York City
SANDALLS, GEORGE THOMAS.....New York City
SAULPAUGH, LINCOLN M.....New York City
SAVILLE, RANDOLPH MARSHALL.....New York City
SBARBORO, JOHN GEORGE.....Fort Lee, N. J.
SCARDACCIONE, ALEXANDER AUSELIN.....New York City
SCHAEDLE, THOMAS GEORGE.....New York City
SCHENCK, WILLIAM RAPELYEA (candidate for honors).....Bayside, N. Y.
SCHIFF, JACK HERMAN.....New York City
SCHLESINGER, DONALD.....New York City
SCHMELZEL, JAMES HENRY, JR.....New York City
SCHOENBROD, EDWARD JOSEPH.....New York City
SCHRENKEISEN, RAYMOND MARTIN.....New York City
SCHRIEVER, JOHN HENRY.....New York City
SCHWANDA, CHARLES BENEDICT.....Winfield, N. Y.
SCHWARTZ, PHILIP.....Jersey City, N. J.
SCHWEITZER, JOHN CHARLES.....New York City
SCHWIER, EMMETT HARCUM.....Huntington, N. Y.
SCOFIELD, LAWRENCE STRANAHAN.....Warren, Pa.
SCOFIELD, ROBERT WELLS.....New York City
SEALY, DONALD FARRINGTON.....New York City
SHALOM, ISRAEL A.....New York City

SHAPIRO, CHARLES SAMUEL.....New York City
SHAPIRO, NATHANIEL.....New York City
SHAPIRO, THOMAS ARTHUR.....New York City
SHAVELSON, ABRAHAM BENEDICT.....Bayonne, N. J.
SHEVLIN, MATTHEW JOSEPH.....New York City
SHIMMON, JOSEPH MALIK.....Urumia, Persia
SHUFORD, LAWRENCE STANLEY.....New York City
SICKELS, IVIN, 2ND.....West Nyack, N. Y.
SILLIMAN, JOSEPH EDWARD, JR.....New York City
SIMON, MELVIN.....Danbury, Conn.
SIMONS, NORMAN MARTIN.....New York City
SINGER, ISIDOR NATHANIEL.....New York City
SINNIGEN, J. CLARENCE.....New York City
SKRIVANEK, RUDOLF.....Arlington, N. J.
SMITH, CARLOS BJERCK.....New York City
SMITH, MILTON CLISTON.....Peekskill, N. Y.
SMITH, RONALD BRINKERHOFF.....East Orange, N. J.
SNOW, WILLIAM BENHAM, JR.....New York City
SNYDER, BURDETTE CANTA.....Jersey City, N. J.
SOWAR, LEONARD SEBASTIAN.....Muncie, Ind.
SPERO, STERLING DENHARD.....New York City
SPITZ, EDWIN ELIAS.....New York City
SPITZER, EUGENE REYNOLDS.....Islip, N. Y.
SPOFFORD, PAUL CECIL.....Port Chester, N. Y.
STAATS, WILLIAM AUGUST.....New York City
STAHL, FREDERICK AUGUST.....New York City
STECKER, WILLIAM WALTER.....New York City
STEIN, JOSEPH FREDERICK.....West New York, N. J.
STEINER, CHARLES IGNATIUS.....New York City
STEINER, HARRY.....Newark, N. J.
STERMAN, MAX.....New York City
STERN, ABNER.....New York City
STONE, STEPHEN GRANT.....Chocorna, N. H.
STRAUCH, JOSEPH MARTIN.....Watertown, N. Y.
STREGER, PAUL.....New Rochelle, N. Y.
STROUSE, IRVING SITTENFIELD.....New York City
SULLIVAN, FRANCIS LESLIE.....Middleburgh, N. Y.
SULLIVAN, GEORGE GAYNEL.....Ossining, N. Y.
SWINBURNE, RALPH ERSKINE.....Hackensack, N. J.
THATCHER, HAROLD WESLEY.....New York City
THEODORE, MILLARD EDWARD.....New York City
THOMASHEFSKY, MILTON.....New York City
THOMPSON, EDMUND BURKE, JR.....New York City
TONKS, LEWI.....New York City
TOOMBS, FRANCIS RAYE.....New York City
TRAGER, CORNELIUS HORACE.....New York City
TRASK, CHARLES HOOPER.....Islip, N. Y.
TROWBRIDGE, JOHN HOWARD.....Chatham, N. J.
TURNER, ALVA.....Briarcliff Manor, N. Y.
UHLIG, FRANKLIN REINHARDT.....New York City
VALENTINE, STEPHEN, JR.....New York City
VAN RAALTE, BYRON EMANUEL.....New York City
VAN SICLEN, JAMES REMSEN.....New York City
VEDDER, HARMON BOULTBEE.....New York City
VIRDEN, EMERSON HART.....New York City
VOLCKENING, LLOYD IRWIN.....New York City

VOLLMER, HERBERT EBERHARD.....New York City
VREELAND, JOHN BEAM.....Maplewood, N. J.
WAGNER, RICHARD, JR.....New York City
WALLACH, MILTON.....New York City
WALTZ, OLIN WHITFIELD.....Spring Valley, N. Y.
WARD, PETER THOMAS.....New York City
WATERMAN, CHANDLER.....Brattleboro, Vt.
WATTERS, CHARLES FRANCIS.....New York City
WEINTRAUB, PAUL.....New York City
WEISS, MORRIS HARRY.....New York City
WELLS, WILLIAM HARRI.....Medina, N. Y.
WELT, BERNARD.....New York City
WERNER, MORRIS ROBERT.....New York City
WERSEBE, ALBERT JOHN.....Cornwall-on-Hudson, N. Y.
WESTERBEKE, WILLIAM HENRY.....West Sayville, N. Y.
WEIDEMAN, GUSTAVE.....New York City
WHITE, WILLIAM ARTHUR.....Danbury, Conn.
WILSON, FRANK RAY.....Middletown, N. Y.
WILSON, WILLIAM CHRISTOPHER.....New York City
WINANS, CHESTER BUTTRE.....New York City
WINSLOW, JAMES WALLACE.....East Orange, N. J.
WLODAVER, SAUL GROVER.....New York City
WOLCOTT, JOHN ROYAL.....New York City
WOLTMANN, JACK HENRY.....New York City
YERKES, HARRY A., JR.....New York City
ZELTNER, GUSTAV ADOLPH.....New York City
ZODIKOFF, SIDNEY CARTON.....New York City
ZOELLNER, HERBERT WILLIAM (candidate for honors).....Deadwood, S. D.
ZYCHLINSKI, LECH WOJCIECH.....New York City
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The following students are taking the first year of the course in Journalism, and are subject to the educational control of the Faculty of Columbia College:

ADAMS, WALTER CAMP.....Middletown, N. Y.
CRYSTAL, JOSEPH.....Bloomfield, N. J.
DAVIDSON, HERBERT MARC.....Kansas City, Mo.
DAVIS, ELRICH B.....St. Charles, Ill.
DEBORSKY, MORRIS.....New York City
DEUTSCH, BARNET BARUCH.....New York City
EAGER, EDWIN NORTON.....New York City
END, GEORGE KENNETH.....Sheboygan, Wis.
ESKEY, CHESTER LEONARD.....Wheeling, W. Va.
FRIEDEL, MORRIS.....Omaha, Nebr.
FUERST, SIDNEY MARSDEN.....Flushing, N. Y.
GARFUNKEL, LOUIS.....New York City
GOLDBERG, ADOLPH.....McKeesport, Pa.
GOULD, PAUL LAWRENCE.....Portland, Me.
HARDENBERGH, WESLEY.....White Sulphur Springs, N. Y.
HART, LORENZ M.....New York City
HOUGH, HENRY BEETLE.....New Bedford, Mass.
HYDE, FRANKLIN OLIVER.....New York City
KAHN, JAMES.....New York City
KEATING, RALPH.....New York City
KESSER, JULIUS.....Highwood, N. J.
KLINE, HAROLD JOSEPH.....Schenectady, N. Y.
LARABIE, LUCIEN.....Deer Lodge, Mont.

Luce, Ralph Waldo ..... Milford, Mass.
MacMahon, Thomas Joseph ..... Holyoke, Mass.
Malone, Joseph Ralph ..... Pittsford, N. Y.
Mann, Louis Richman ..... Cobleskill, N. Y.
Mills, Raymond Tower ..... Waltham, Mass.
Oppenheimer, Fred Seymour ..... New York City
Phillips, Charles Francis ..... New York City
Riseley, Joseph Higgins, 3rd ..... Cooks Falls, N. Y.
Robinson, George ..... New York City
Rosen, Albert ..... New York City
Ryskind, Morris ..... New York City
Sanger, Elliott Maxwell ..... New York City
Schaefer, Karl August William ..... Lynchburg, Va.
Seadler, Albert Bernard ..... New York City
Swift, Otis Peabody ..... Hastings-on-Hudson, N. Y.
Topalian, Asvadzadoor Barker ..... New York City
Weiss, Arnest Alfred ..... Forest Hills Gardens, N. Y.
Wheeler, Arthur Livingston ..... New York City
White, George Monroe ..... Winthrop, Mass.

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NON-MATRICULATED STUDENTS

Abraham, George Crawford ..... New York City
Agar, John Girand, Jr ..... New Rochelle, N. Y.
Alling, Eric Lattimore ..... Rochester, N. Y.
Barnes, Owen ..... New York City
Benrosch, Albert ..... New York City
Bensch, Gustav ..... Irvington, N. J.
Bonart, Colman I ..... Houston, Tex.
Brodix, John Weedman ..... New York City
Buehrer, Godfrey Charles ..... New York City
Carr, Elmendorf Lester ..... New York City
Chang, Yun ..... Choyee, China
Chassy, Leon ..... New York City
Clinchy, Russell James ..... East Orange, N. J.
Davis, Preston ..... Springfield, Mass.
Donlin, Philip Eugene ..... New York City
Drayton, Henry Coleman ..... New York City
Féry, Alfred Lucien Pierre ..... New York City
Greer, Robson Linewaeaver ..... Lebanon, Pa.
Hall, Henry Clinton ..... Port Washington, N. Y.
Handy, Preston Breckinridge ..... New York City
Hara, Zenichiro ..... Yokohama, Japan
Helmer, Max ..... Jackson, Mich.
Hirsch, Steven James ..... New York City
Hochstadter, Walter S ..... New York City
Holt, Guy Carleton ..... New York City
Jennings, Frederic Beach, Jr ..... New York City
Johnson, William McKinley ..... Columbus, O.
Kalb, Abraham I ..... New York City
Kirschner, William Lee ..... New York City
Krumgold, Sigmund ..... Jersey City, N. J.
Macdonald, Francis ..... New York City
Middleditch, Livingston, Jr ..... Hartsdale, N. Y.
Miller, Wesley Barrington ..... Freeport, N. Y.
Moylan, James J ..... Jersey City, N. J.

NOYES, EUGENE J. ..... New York City
OOOMORI, KENYI ..... Honolulu, Hawaii
OSBOURNE, ALAN ..... New York City
POTTER, HAROLD HOLMES ..... Danbury, Conn.
POTTER, MICHAEL ..... New York City
REICHERS, PHILIP S. ..... New York City
ROSE, SAMUEL ALANSON ..... Block Island, R. I.
SCHWARTZ, LASKER ..... New York City
WELLS, THOMAS RICHMOND ..... Jersey City, N. J.
WHITE, RAY ..... Zorephath, N. J.

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SUMMARY

Candidates for Degrees:	
Seniors	150
Juniors	166
Sophomores	244
Freshmen	513
First-year Journalists	42
Non-matriculates	44
Total	1159
Candidates for a Degree with Honors	71

SCHOOL OF LAW

Faculty

President BUTLER
Dean STONE
Professors ABBOTT, BURDICK, CANFIELD, GIFFORD, GUTHRIE, KIRCHWEY, MOORE (J. B.), POWELL, [1]REYNOLDS, SMITH (MUNROE) REDFIELD (*Secretary*), TERRY.
Mr. DORR Mr. WHITAKER Mr. GLENN

[1] Absent on leave first half-year.

Delegates to the University Council (see page 5)

Purpose

The Design of the School of Law is to afford a thorough, practical, and scientific education in the principles of: The common and statute law of the United States: The English and American system of equity jurisdiction: The Public law of the United States and Europe: The Roman law—ancient and modern: Theoretical and comparative jurisprudence.

Opportunity is given through short special courses (see page 146) for specializing in particular fields.

Application

All applicants for admission must present satisfactory evidence of good moral character.

Admission to the School of Law as a matriculated student will be upon one of the following three conditions:

(*a*) Graduation from an approved college or scientific school of collegiate rank.

(*b*) The successful completion of three years of undergraduate study in an approved college or scientific school, which course of study must have included satisfactory courses in Economics and in English and American History.

(*c*) In lieu of either of the above, the presentation of satisfactory evidence of preliminary training obtained in higher institutions of learning. in this country or abroad, equivalent to that prescribed in either of the foregoing paragraphs (*a*) or (*b*).

(For detailed description of courses see page 145).

Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school on examination giving satisfactory evidence of proficiency in the studies of the final year, may be admitted to advanced standing as members of the second-year class. Examinations are usually required in the more important first-year sub-

jects. No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the half-year in which the respective subjects are given and during the week preceding the opening of the fall term. Examinations may be dispensed with and credit given on certificate for courses satisfactorily completed in an approved law school in cases where such courses are deemed by the Faculty equivalent to the corresponding courses given in this School.

Non-Matriculants Duly qualified persons not candidates for the degree of LL.B. may be admitted as non-matriculated students on presenting such evidence as the Faculty may require of their exceptional fitness to undertake with advantage the study of law. Applicants must usually have two years or more of College or Law School work to their credit and must be at least twenty-one years of age.

Examinations Written examinations are held at the end of each half-year on the subjects completed during that half-year and on the subjects of the first and second years during the week preceding the opening of the academic year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing Excellent, Good, Fair, Poor, and Failure, respectively. These grades will be part of the record of the students in the office of the Registrar, and will be reported to them as soon as possible after each examination.

No student will be admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year, or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

No special examinations are given.

Bachelor of Laws The required work for the degree of Bachelor of Laws consists of 75 points, each point representing the satisfactory completion of work re-

quiring attendance one hour a week for one half-year. This requirement is usually met by a program of fourteen hours per week in the first year and of twelve hours per week through the second and third years.

No student doing full work may take less than twelve nor more than fourteen hours per week in any half-year.

Students registered in the Law School will, on approval of the Faculty, be credited with law courses successfully completed by them in the Summer Session of the University.

Not more than one full course representing four points nor more than two half-year courses representing three points each in which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

Master of Laws (see page 294)

Higher Degrees

The degrees of Master of Arts and Doctor of Philosophy are also awarded for work done in part under the Faculty of Law. (See page 292.)

Scholarships and Prizes (see page 474)

Fees (see page 56)

Library

The Law Library has been greatly extended and improved, and now consists of upwards of 57,000 volumes, which have been carefully selected to meet the wants of students. It contains practically every reported decision of the American, English and British Colonial courts, and good working collections of American and foreign statute law, Roman and modern civil law, and jurisprudence. Lectures on legal bibliography and the use of law books are given by the Law Librarian.

PROGRAM OF STUDIES

First Year		Second Year		Third Year	
Subject	Hrs.	Subject	Hrs.	Subject	Hrs.
1st Half		*1st Half*		*1st Half*	
Contracts	4	Agency	3	Conflict of Laws	2
Criminal Law	3	Amer. Const. Law II	2	Corporations	2
Elements of Law	2	Domestic Relations	2	Equity II	3
Property I	2	Equity I	3	Evidence	2
Torts	2	Institutes of Roman Law	3	International Law	2
		†Insurance	2	Law of Officers	2
		Pleading and Practice II	2	Law of Taxation	2
		Quasi-Contracts	3	Pleading and Practice III	3
		Real and Personal Prop. II	2	Real and Personal Prop. III	4
		Sales of Personal Prop.	2		
		Trusts	2		
2nd Half		*2nd Half*		*2nd Half*	
Contracts	4	American Const. Law II	2	Corporations	2
American Constitutional Law	1	*Bankruptcy and Insolv.	2	Evidence	2
Pleading and Practice I	3	Carriers	3	International Law	2
Real and Personal Prop. I	4	Negotiable Paper	3	Mortgages	3
Torts	2	Pleading II	2	Municipal Corporations	2
		Real and Personal Prop. II	2	N. Y. Trusts	2
		Sales of Personal Prop. II	2	Partnership	3
		Trusts	2		
				Suretyship	2
				Wills and Administration	3

† Given alternate years only; omitted 1915–1916.
* Given alternate years only; omitted 1914–1915.

Special Courses: Federal Jurisdiction. Patent Law. Law of Mining and Irrigation. Trial Evidence. Reading in the Digest of Justinian. Modern Civil Law. History of European Law.

REGISTER OF STUDENTS

SCHOOL OF LAW

THIRD YEAR—CLASS OF 1915

ADAMS, HENRY CLINTON, Litt.B. Princeton 1912.....Bedford Hills, N. Y.
ASSELIN, DONATUS JOSEPH, A.B. Marquette 1911.....Calumet, Mich.
BAAR, EMIL N., A.B. 1913.....New York City
BAILEY, CHARLES ROBERT, A.B. Washington & Lee 1912.....Bakersville, N. C.
BAINTON, WILLIAM LEWIS, B.S. 1912.....New York City
BARKER, FRANK PENDLETON, A.B. North Carolina 1912.....Pembroke, Ky.
BELLAMY, EMMETT HARGROVE, A.B. North Carolina 1912.....Wilmington, N. C.
BERK, WILLIAM LEONARD, A.B. 1913.....New York City
BIRNBAUM, ALEXANDER MORTIMER, A.B. C. C. N. Y. 1912.....New York City
BLYTHE, FRED R., A.B. Iowa 1913.....Williamsburg, Ia.
BLYTHE, WILLIAM HORACE, A.B. Miami 1911.....Springfield, Mo.
BOBBÉ, SIDNEY S., B.S. 1913.....New York City
BOLES, CHARLES E., A.B. Bethel 1906.....Glasgow, Ky.
BRAUS, A. LEON, B.S. 1913.....New York City
BROCK, ARNOLD J. R., A.B. 1913.....New York City
BRODERICK, E. V., A.B. 1912, A.M. 1913.....Yonkers, N. Y.
BROWN, FRANK J., A.B. 1913.....New York City
BUFORD, CORNELIUS HARDY, A.B. Vanderbilt 1913.....Nashville, Tenn.
BUNGARD, MAURICE Z., B.S. C. C. N. Y. 1912.....New York City
CARROLL, JOSEPH WILLIAM, A.B. 1913.....New York City
CASTRUCCIO, CONSTANTINE, A.B. Santa Clara 1913.....Los Angeles, Cal.
CLARK, BYRON, JR., A.B. Washington & Jefferson 1912.....Washington, Pa.
CLARK, FRANCIS JOHN, A.B. St. Francis Xavier 1912.....New York City
CLARK, RUSSELL ARTHUR, A.B. Oberlin 1912.....Cleveland, Ohio
CONNICK, LOUIS, A.B. Yale 1912.....New York City
CROUSE, DAVID STOWE.....Lincolnton, N. C.
CRUSE, BERNARD A., A.B. Seton Hall 1912, A.M. 1914.....So. Orange, N. J.
CURRAN, CYRIL JOSEPH, A.B. Notre Dame 1912.....New York City
CURRY, VINCENT EDWARD, A.B. 1913.....Hyde Park on Hudson, N. Y.
DOLBEARE, FREDERIC RUSSELL, A.B. Yale 1907.....Hartford, Conn.
DRACHMAN, EDGAR J., A.B. C. C. N. Y. 1912.....New York City
DRISCOLL, FRANCIS LAWRENCE, Ph.B. Yale 1912.....New York City
ERPF-LEFKOVICS, CARL E., A.B. C. C. N. Y. 1912.....New York City
EVANS, HUBERT, A.M. Wake Forest 1898, Ph.D. Leipzig 1902.....New York City
FAAS, CHARLES THORNE, B.S. 1912.....New York City
FELKER, PAUL MCDANIEL, A.B. Georgia 1912.....Monroe, Ga.
FIKE, TRACY R. V., A.B. 1913.....New York City
FOWLER, DUDLEY F.....New York City
FRANK, VICTOR P., A.B. 1913.....Chicago, Ill.
GEARY, ARTHUR MCCORNACK, A.B. Oregon 1910.....Portland, Ore.
GIVEN, PHILIP L., A.B. Wesleyan 1908, A.M. Harvard 1911.....Newark, N. J.
GLUCK, JULIUS BERTRAM, A.B. Cornell 1913.....New York City
GOLDIN, GULLIE B., A.B. Georgia 1912.....Atlanta, Ga.
HAIBLUM, LEO NELSON, A.B. C. C. N. Y. 1912.....Cheyenne, Wyo.

HAM, WILKIE CLAY.....Hasty, Col.
HANN, CHARLES, JR., A.B. Harvard 1911.....Brookline, Mass.
HARRAH, EDWARD, A.B. Yale 1911.....New York City
HENDERSON, HENRY BUCK, A.B. 1913.....Cheyenne, Wyo.
HERRICK, HAROLD E., A.B. Yale 1912.....New York City
HEYN, OTTO PETER, JR., A.B. Princeton 1912.....New York City
HUGHES, JAMES H., Ph.B. Dickinson 1911.....Felton, Del.
HYMAN, MAXWELL, A.B. 1913.....New York City
HYMAN, WILLIAM ABRAMOVITZ, A.B. Washington & Lee 1912.....Tampa, Fla.
IVEY, ALPHONSO L., B.S. Georgia 1908.....Union Point, Ga.
JACOBS, ELIAS R., A.B. C. C. N. Y. 1912.....New York City
JEROME, WILLIAM TRAVERS, JR., A.B. Yale 1912.....New York City
JOSEPH, EDMUND G., A.B. Penn State 1913.....Bellefonte, Pa.
KATZ, JEROME FRANK, A.B. C. C. N. Y. 1911.....New York City
LARREMORE, THOMAS ARMITAGE, A.B. Yale 1911.....New York City
LAZARUS, STANLEY MATTHEWS, A.B. Tulane 1913.....New Orleans, La.
LEWIS, CLARENCE LESLIE, A.B. 1913.....New York City
LILLEY, JOHN LEAVENS, Ph.B. Yale 1909.....New York City
LITTLE, JOHN THEODORE, A.B. 1913.....New York City
LYON, CLIFFORD STANLEY, A.B. Dartmouth 1910.....Holyoke, Mass.
MCCORMICK, JOHN KERNAN, A.B. 1913.....New York City
MCNAMARA, JOHN GAFFNEY, A.B. Georgetown 1912.....Norwich, Conn.
MCPHERSON, CHAUNCEY RYDER, B.S. Pennsylvania 1913.....Elizabeth, N. J.
MACADAM, JOHN KING, A.B. Fordham 1912.....New York City
MARTIN, FRANCIS LINTON, Ph.B. Yale 1912.....Chattanooga, Tenn.
MAURICE, STEWART, A.B. 1913.....Mamaroneck, N. Y.
MEAD, EDWIN H., A.B. Yale 1912.....South Orange, N. J.
MEEKER, DAVID EDWARD, A.B. Yale 1913.....New York City
MILHEISER, CLARENCE FREDERICK, A.B. 1914.....New York City
MORRIS, BURTON B., A.B. Arkansas 1911.....England, Ark.
MULWITZ, JACOB LAFFER, A.B. 1913.....Port Chester, N. Y.
NATHANSON, SAMSON, A.B. Brown 1912.....Central Falls, R. I.
NETTER, WILLIAM, A.B. Cornell 1913.....New York City
O'DONAHOE, GERALD GEORGE, B.S. Fordham 1912.....New York City
ORR, WALTER STUART, A.B. Amherst 1912.....Orr's Mills, N. Y.
PEARCE, CHARLES CHESTER, A.B. Wisconsin 1909.....Dodgeville, Wis.
PEIKER, HARRY C.....Paola, Kan.
PLAMONDON, CHARLES AMBROSE, A.B. Cornell 1912.....Chicago, Ill.
PROPPER, KARL, A.B. 1913.....New York City
READ, JOEL LEWIS, B.S. Ohio Wesleyan 1912.....Columbus, Ohio
REED, LYNN P., A.B. 1913.....New York City
RIVES, FRANCIS BAYARD, A.B. Yale 1911.....New York City
ROSS, VIVIAN CLINTON, A.B. Rutgers 1912.....New Brunswick, N. J.
ROTHBERG, I. HARVEY, A.B. Amherst 1912.....New York City
ROTHSCHILD, JAY LEO, A.B. 1912, A.M. 1914.....New York City
ROTHSTEIN, HERMAN Z., A.B., C. C. N. Y., 1913.....New York City
RUBEL, FRANK RAYMOND, B.S., Mississippi, 1912.....Corinth, Miss.
RUBLE, JESSE JONES, A.B. Wisconsin 1911.....Platteville, Wis.
RUSHMORE, EVERETT, Litt.B. Princeton 1912.....Mamaroneck, N. Y.
SCHARMANN, AUGUST CHARLES, A.B., Yale 1912.....New York City
SCHWARTZ, JESSE, B.S., C. C. N. Y., 1912.....New York City
SCHWED, IRVING, Ph.B. Lafayette 1912.....Somerville, N. J.
SHIENTAG, JACOB, A.B. C. C. N. Y. 1912.....New York City
SHOLES, SOL, B.S. C. C. N. Y. 1912.....New York City
SHUKRI, AHMED, A.M. 1913.....Constantinople, Turkey
SINGER, ANTON, A.B. 1913.....West Hoboken, N. J.

Smith, Norman Clarence, A.B. Emory & Henry 1912.....Pocahontas, Va.
Smith, Theodore Eugene, Jr., A.B. Harvard 1912.....Akron, Ohio
Smith, Wesley Lott, B.S. 1912.....Baldwin, N. Y.
Sommer, Bertram, A.B. C. C. N. Y., 1913.....New York City
Stearns, George Raynolds, Jr., A.B., 1913.....Buffalo, N. Y.
Steckler, Edward Louis, A.B. 1913.....New York City
Stein, Samuel David, A.B. N. Y. Univ. 1912, A.M. 1914.....New York City
Steinhardt, Laurence A., A.B. 1913.....New York City
Stradford, Cornelius Francis, A.B. Oberlin 1912.....Tulsa, Okla.
Strauss, Dernham Irwin, A.B. 1913.....Holyoke, Mass.
Swords, Albert Twombly.....New York City
Tannenbaum, Ferdinand, A.B. Wabash 1912.....New York City
Thompson, Lynn Harrison, A.B. Yale 1913.....Salt Lake City, Utah
Tomlinson, Daniel Grant, A.B. Yale 1912.....New York City
Untermyer, Eugene, A.B. 1913.....New York City
Vaughan, James Andrew, A.M. 1910, A.B. Elon 1908.....Franklin, Va.
Velebir, Andrew, Jr., A.B. Harvard 1912.....Belt, Mon.
Wack, William Herman, B.S. 1913.....New York City
Wainwright, Stuyvesant, Jr., A.B. Yale 1913.....Rye, N. Y.
Walker, Merle Royse, A.B. De Pauw 1912.....New York City
Ward, Joseph P., A.B. C. C. N. Y. 1912.....New York City
Weathers, Brantley Alexander, Jr., A.B. Amherst 1911.....Ocala, Fla.
Whitley, Howard S., M.E. Stevens 1912.....Leonia, N. J.
Whittingham, Edward Renwick, Litt.B. Princeton 1912.....Milburn, N. J.
Wiechmann, Walter Gerard, A.B. Harvard 1912.....New York City
Wilk, Harry, A.B. Minnesota 1912.....Virginia, Minn.
Wilson, Richard B., Ph.B. Brown 1912.....Youngstown, Ohio
Wilson, Winthrop Alden, A.B. Harvard 1912.....Pawtucket, R. I.
Wolinsky, Philip, A.B. C. C. N. Y., 1912.....New York City
Wood, John Sam, A.B. Arkansas 1912.....New York City
Woodhouse, Charles Douglas, A.B. Williams 1910.....Burlington, Vt.

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SECOND YEAR—CLASS OF 1916

Adams, Otis Hill, A.B. Georgia 1913.....Covington, Ga.
Adams, Purser Elder, A.B. Princeton 1913.....Garden City, N. Y.
Almand, Bond, Ph.B. Emory 1913.....Lithonia, Ga.
Bardsley, William Wright, A.B. Princeton 1911.....Montclair, N. J.
Barnett, Carlyle Reginald, B.S. 1913.....New York City
Barrett, Beach, A.B. 1913.....New York City
Beck, Perry Allen, A.B. Allegheny 1913.....Seneca, Pa.
Berliner, Irwin Maier, A.B. 1914.....New York City
Blackmar, Abel Edward, Jr., A.B. Hamilton 1913.....New York City
Blackwell, James Madison, A.B. 1914.....New York City
Bogle, Ronald Fletcher, A.B. Williams 1913.....Wappinger's Falls, N. Y.
Booth, Frank, B.S. 1914.....New York City
Boyce, Paul L., A.B. Clark 1913.....Boltonlodge, N. Y.
Bunzl, Julius V., A.B. 1912.....New York City
Burchel, Arthur V., A.B. C. C. N. Y. 1913.....New York City
Burgess, Thayer.....West Winfield, N. Y.
Butler, Charles Allen, B.S. 1914.....New York City
Butterworth, George Forrest, Jr., A.B. 1913.....New York City
Caldwell, George Danforth, A.B. 1913.....Louisville, Ky.
Caldwell, Joe Yongue, A.B. North Carolina 1913.....Statesville, N. C.
Capshaw, Hulon J., A.B. Tennessee 1913.....Cookeville, Tenn.
Carnall, Walter Thomas.....Colorado Springs, Col.

CATZEN, BERTRAM HARRY, A.B. 1914.....Baltimore, Md.
CHESTER, WILLIAM MERRILL, A.B. Princeton 1914.....New York City
CLASS, THEODORE SHERMAN, Litt.B. Princeton 1913.....Westfield, N. J.
COE, RICHARD STARRS, A.B. Yale 1913.....New York City
DANN, OSCAR, A.B. C. C. N. Y. 1913.....New York City
DAVENPORT, RUSSELL LOUNSBERRY, B.S. Amherst 1912.....Ogden, Utah
DEMUTH, FRANK WOLF, B.S. 1914.....New York City
DILLS, DUANE R., A.B. 1914.....Scranton, Pa.
DIMON, HENRY, A.B. Cornell 1914.....Groton, N. Y.
DOUGLAS, RICHARD STEELE, Ph.B. Wooster 1910.....Wooster, Ohio
ECKELS, CLAUDE ALAN, B.S. Allegheny 1913.....Kane, Pa.
EHRMAN, SAMUEL LASKER, LL.B. Arkansas 1913.....Little Rock, Ark.
EMBURY, DAVID AUGUSTUS, A.B. Cornell 1908.....Morrisville, N. Y.
EVANS, ARTHUR L., A.B. Hamilton 1910.....Utica, N. Y.
EVANS, JOHN FAIRHURST, A.B. Harvard 1914.....Paterson, N. J.
FALK, EDWIN ALBERT, B.S. Pennsylvania 1913.....New York City
FISHER, HENRY L., B.S. 1914.....New York City
FORBES, JEROME RICHARD, A.B. Nebraska 1913.....Wayne, Neb.
FREEMAN, ROBERT HILL, A.B. Georgia 1913.....Newman, Ga.
GASTON, GEORGE HOUSTON, JR., A.B. Princeton 1913.....New York City
GATES, MERRILL NEWCOMB, A.B. Williams 1911.....Auburn, N. Y.
GERSON, BERNARD FELIX, A.B. 1914.....Montgomery, Ala.
GIDEN, ABRAHAM ARTHUR, B.S. 1912.....New York City
GINSBURG, SAMUEL, A.B. Cornell 1913.....Elmira, N. Y.
GOLDBERG, JEFFREY SOLON, Ph.B. Brown 1913.....New York City
GRADY, JAMES THOMAS.....New York City
GRAFTON, HORACE KIRBY, A.B. 1914.....New York City
GRIFFIN, EGBERT BRADNEY, A.B. 1913.....New York City
GRIFFIN, JOHN GERALD, A.B. St. Mary's 1913.....Preston, Ia.
HALL, HERBERT WILLIAM, A.B. Pittsburg 1912.....New Kensington, Pa.
HARRIS, RALPH SCOTT.....Bennington, Ala.
HATCH, VERMONT, A.B. Harvard 1913.....Heber, Utah
HEALY, THOMAS JEFFERSON, B.S. Colgate 1913.....Bennington, Vt.
HEARN, CORNELIUS, JR., A.B. 1914.....New York City
HEAREN, ARTHUR H., A.B. 1914.....New York City
HERKERT, KARL JOHN, JR., B.S. 1914.....New York City
HILDRETH, MELVIN DAVIS, A.B. Fargo 1913.....Fargo, N. D.
HOFFMANN, ALBERT.....New York City
HOTCHKISS, HENRY GREENE, A.B. Williams 1913.....New York City
HUBBARD, JOHN FLAVEL, A.B. Harvard 1914.....New York City
HUBBARD, MOSES GILBERT, JR., A.B. Middlebury 1913.....New York City
HUNTER, ALEXANDER HAYS, A.B. Princeton 1913.....Pittsburgh, Pa.
JENKINS, ISAAC NEWTON, A.B. Ohio State 1912.....Oak Hill, Ohio
JONES, DEWITT CLINTON, JR., A.B. Princeton 1913.....Elizabeth, N. J.
KAUFMAN, SAMUEL, A.B. 1914.....Newark, N. J.
KENYON, GEORGE ROSS, Litt.B. Princeton 1913.....New York City
KINNAN, MORRIS EGENTON, A.B. Princeton 1913.....New York City
KINSWORTHY, BENTON SUTTON, A.B. Arkansas 1913.....Little Rock, Ark.
KISTER, FRANK ADAM, A.B. Gettysburg 1913.....New York City
LA CORTE, SALVATORE FRANCIS, A.B. 1914.....New York City
LASHER, JOHN KENNEDY, JR., B.S. 1914.....Yonkers, N. Y.
LENT, HERBERT DU BOIS, JR., A.B. Cornell 1914.....Tuckahoe, N. Y.
MCDOWELL, ROBERT PITKIN, A.B. Syracuse 1913.....Elmira, N. Y.
MCLEAN, OWEN CALDWELL, A.B. Allegheny 1913.....Sharon, Pa.
MCMILLAN, ROBERT LEROY, A.B. Wake Forest 1909.....Moxton, N. C.
MCQUILLEN, PAUL WILLIAM, A.B. Georgetown 1913.....Passaic, N. J.

MARTING, HENRY A., A.B. Yale 1914.....Portsmouth, Ohio
MAUTNER, BERTRAM H., Litt.B. Princeton 1913.....New York City
MOFFAT, STANLEY MATTHEWS, A.B. Princeton 1913.....Yonkers, N. Y.
MORIARTY, JOHN H., A.B. Manhattan 1913.....Jersey City, N. J.
MURPHY, SAMUEL WILSON, A.B. Wesleyan 1913.....New York City
MURRIN, WILLIAM ROBERT, A.B. Cornell 1914.....New York City
NATHAN, EDGAR JOSHUA, JR., A.B. Williams 1913.....New York City
NEWMAN, DOUGLASS, A.B. 1914.....New York City
OBSTFELD, EMANUEL ARTHUR, A.B. C. C. N. Y. 1914.....New York City
O'CONNOR, GEORGE EDWARD, A.B. Yale 1914.....Waterford, N. Y.
PARSONS, SCHUYLER LIVINGSTON, JR., A.B. Harvard 1913.....New York City
PURDY, JAMES HOWARD, JR., A.B. 1914.....New York City
QUIGG, MURRAY TOWNSEND, A.B. Harvard 1913.....New York City
RAPHAEL, JESSE SCHARFF, A.B. C. C. N. Y. 1913.....New York City
RAPPAPORT, JACK LEWIS, B.S. 1914.....New York City
REISS, GEORGE ANDREW, Ph.B. Lafayette 1913.....Elizabeth, N. J.
REPKO, STEPHEN ALBERT, A.B. Cornell 1914.....New York City
RIEGELMAN, HAROLD, A.B. Cornell 1914.....New York City
ROBERTS, CARROLL MCLEAN, A.B. Oberlin 1913.....Geneseo, N. Y.
ROBINSON, MILTON KENNEDY, A.B. Rochester 1912.....Rochester, N. Y.
ROSEFF, ALEXANDER.....Mt. Vernon, N. Y.
ROULSTONE, WILLIAM BRADFORD, A.B. Yale 1907.....New York City
RUBIN, SAMUEL, A.B. 1914.....New York City
SANFORD, FERDINAND DOAN, A.B. Princeton 1909.....Warwick, N. Y.
SCHWARTZ, SELIG, A.B. Harvard 1914.....Newark, N. J.
SCHWARZ, PHILIP Equiv., A.B. H. 1910.....New York City
SCOTT, RALPH WENTWORTH, B.S. Dartmouth 1906.....Chestnut Hill, Mass.
SHORT, LIVINGSTON LYMAN, A.B. Williams 1913.....New York City
SHUTT, ERWIN REED, A.B. Rochester 1913.....Rochester, N. Y.
SMITH, ALLAN HAMILTON, B.S. 1912.....New York City
SMITH, BENJAMIN GREGORY, A.B. Penn State 1911.....Pottsville, Pa.
SMITH, CLARENCE BRUCE, JR., B.S. 1914.....New York City
SMITH, ETHELBERT TALBOT, A.B. Trinity 1913.....New York City
SOONS, SYDNEY GROVER CLEVELAND, A.B. C. C. N. Y. 1913...New Hampton, N. Y.
STANFORD, FRANK CURTIS, Litt.B. Notre Dame 1913.....Independence, Kan.
STEARNS, CARL GARNER, A.B. Illinois 1914.....Rankin, Ill.
STEARNS, ROBERT LAWRENCE, A.B. Colorado 1914.....West Point, N. Y.
STEUER, BERNARD, A.B. C. C. N. Y. 1913.....New York City
STEWART, JOHN CLARK, A.B. Washington & Jefferson 1913.....Wilkinsburg, Pa.
STITT, EDWARD WALMSLEY, JR., A.B. C. C. N. Y. 1913.....New York City
STUDWELL, SPENCER ALLEN, A.B. Wesleyan 1913.....Greenwich, Conn.
SWINNERTON, RADCLIFFE, A.B. Yale 1914.....Newark, N. J.
THOMAS, RUPERT BROAS, A.B. Princeton 1913.....New York City
TRUMBULL, GEORGE LEE, A.B. Williams 1912.....Greenwich, N. Y.
VREELAND, HAMILTON, JR., Litt.B., Princeton 1913.....Jersey City, N. J.
WALLACE, EDWIN W., B.S. Oregon Agr. 1910.....Rockville Centre, N. Y.
WALLACE, FRED L., A.B. De Pauw 1909.....Bunker Hill, Ind.
WALSER, KENNETH EASTWOOD, A.B. Union 1912.....Cohoes, N. Y.
WARFIELD, WILLIAM, A.B. Lafayette 1911.....Easton, Pa.
WILSON, DUDLEY ANDREE, A.B. De Pauw 1913.....Birmingham, Ala.

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FIRST YEAR—CLASS OF 1917

ABELE, RICHARD P., A.B. Amherst 1911.....New York City
ALLING, ERIC LATTIMOR, B.S. Princeton 1914.....Rochester, N. Y.
APPLEMAN, EARL, A.B. De Pauw 1911.....Le Grange, Ind.
ARNOLD, W. H.....Bridgeport, Conn.

Atkinson, Walter Edgar, A.B. N. Y. Univ. 1911.....New York City
Austrian, Carl Joseph, A.B. Williams 1914.....New York City
Bartholow, Benjamin Hilsdon (Senior in Columbia College)....Mt. Vernon, N. Y.
Beach, Lansing Dillon, A.B. Tulane 1913.....Baltimore, Md.
Bellinger, William Hart (Senior in Columbia College).....New York City
Bennett, Alfred C., A.B. C. C. N. Y. 1914.....New York City
Bijur, Sherman M. (Senior in Columbia College).....New York City
Billings, George Marshall, Litt.B. Princeton 1914.....New York City
Bohm Edwin M. (Senior in Columbia College).....New York City
Bomer, John O'Neill, Jr., B.S. Vanderbilt 1913.....Brownsville, Tenn.
Bongiorno, Philip, A.B. 1914.....New York City
Bowen, Charles Wood.....Logan, Ohio
Bradner, Palmer, A.B. C. C. N. Y. 1913.....New York City
Bryce, Peter Cooper, A.B. Yale 1913.....New York City
Burleigh, John Paul, B.S. Pennsylvania 1913.....Merchantville, N. J.
Cadman, Frederick Leslie, A.B. Amherst 1913.....New York City
Camp, Kingsland, A.B. Rutgers 1914.....Newark, N. J.
Cannon, Townsend Laing (Senior in Columbia College).....New York City
Capshaw, C., A.B. Tennessee 1913.....Cookeville, Tenn.
Carpenter, John Tilney, A.B. Amherst 1914.....New York City
Cassidy, Harold Hill.....Watkins, N. Y.
Chang, Chuanciu Cuhwei.....Washington, D. C.
Cohen, Reuben Solomon.....Mazagan, Morrocco
Cohen, S. Coleman, A.B. 1914.....New York City
Conibear, George Raymond, A.B. Oberlin 1913.....Boston, Mass.
Cook, Raymond Eugene, A.B. Williams 1905, A.M. Yale 1907....New York City
Couts, John Franklin, A.B. South Western Presp. 1908.....Chicago, Ill.
Cowan, John Harding, A.B. 1914.....New York City
Coxe, George Roberts.....New York City
Cunningham, Frederic, Jr., A.B. Harvard 1911.....Brookline, Mass.
Dannenberg, Waldemar Nathaniel, A.B. Oklahoma 1914.....Chelsea, Okla.
Dargeon, Michael Joseph.....New York City
Darrah, Gillespie Blaine, A.M. 1914, A.B. Marietta 1912.....Macksburg, Ohio
Deegan, Joseph Francis.....Perth Amboy, N. J.
Devlin, Edward J., Jr., A.B. Georgetown 1914.....Yonkers, N. Y.
Dowd, Arthur King.....Syracuse, N. Y.
Duer, Beverley.....New York City
Duncan, J. Donald (Senior in Columbia College).....New York City
Dwight, James Ogden.....Burlington, Iowa
Eberstadt, Ferdinand, A.B. Princeton 1913.....East Orange, N. J.
Edinger, Ernest Harold (Senior in Columbia College).....Jersey City, N. J.
Egan, William Patrick, A.B. Manhattan 1893.....New York City
Elting, Seth Victorius, A.B. Cornell 1914.....Poughkeepsie, N. Y.
Emmet, Watson Case, A.B. Harvard 1914.....New York City
Ennis, Thomas Leland, B.S. Union 1914.....Rotterdam Jct., N. Y.
Ermanno, Mercolino.....Naples, Italy
Fesenmeier, Leo, A.B. Mt. St. Mary's 1913.....Baltimore, Md.
Filer, Harry Lambert, A.B. De Pauw 1914.....Liberty, Ind.
Fimmen, Edward Augustus, Ph.B. Iowa Wesleyan 1911.....Burlington, Ia.
Fisher, Frank Cyril, A.B. Oberlin 1914.....Minneapolis, Minn.
Forbes, Gilbert, A.B. Princeton 1913.....New York City
Forsyth, Walter S., A.B. Rochester 1914.....Rochester, N. Y.
Francis, Lee Reynolds (Senior in Columbia College).....New York City
Funkenstein, Casper Ira, A.B. Georgia 1914.....Athens, Ga.
Gaipa, Alfred August, A.B. Rutgers 1914.....Jersey City, N. J.
Gaynor, Norman J., A.B. Colgate 1913.....New York City

GERKEN, FREDERICK, JR., Ph.B. Yale 1914.....New York City
GETTS, CLARK HALLAM, A.B. Wisconsin 1914.....Whitehall, Wis.
GIBSON, WILLIAM WALKER, A.B. Yale 1906.....Albany, N. Y.
GILLELEN, WARREN, JR.....Los Angeles, Cal.
GOODBAR, EUGENE MORRISON, A.B. Wabash 1914.....Crawfordsville, Ind.
GOODSTEIN, PHILIP (Senior in Columbia College).....New York City
GOODWIN, WALTER CAMPBELL.....New York City
GOTTLIEB, ISRAEL.....New York City
GUTHMANN, JEROME DOCTOR, A.B. Union 1914.....Schenectady, N. Y.
HADDEN, KENNETH, A.B. Harvard 1914.....New York City
HAFEY, JEROME THOMAS, A.B. Detroit 1913.....Holyoke, Mass.
HAHN, PAUL M., A.B. C. C. N. Y. 1914.....New York City
HARTSOCK, HARVEY BARTON, A.B. De Pauw 1911.....Gosport, Ind.
HAYUM, ARTHUR HENRY, A.B. Harvard 1913.....Horton, Kan.
HENDRICKS, HENRY SOLOMON, A.B. 1914.....New York City
HOCKERT, JENKIN R., B.S. Valparaiso 1912.....Hartford, Conn.
HOLTHUSEN, H. (Senior in Columbia College).....New York City
HOPE, CLAUDE ALLISON, A.B. Alabama 1914.....Sunny South, Ala.
HUTHSTEINER, LOUIS, B.S. Amherst 1914.....Schenectady, N. Y.
ILSEN, WERNER REGINALD (Senior in Columbia College).....New York City
INGRAHAM, FRED, JR., Litt.B. Princeton 1914.....Hempstead, N. Y.
JENKS, ALMET FRANCIS, JR., A.B. Yale 1914.....New York City
KEELER, HOWARD LYNDE.....New York City
KIRTLEY, CLARENCE ROY, A.B. Grinnell 1914.....Panora, Ia.
KLEBAN, M. (Senior in Columbia College).....New York City
KLINGENSTEIN, PAUL HENRY (Senior in Columbia College).....New York City
KOONS, DANA RODMAN.....Walnutport, Pa.
KOSIK, GUSTAVE.....Newark, N. J.
KRAUS, DAVID, A.B. C. C. N. Y. 1914.....New York City
KUYKENDALL, ROBERT BENSON, A.B. Oregon 1913.....Eugene, Ore.
LACKEY, WILLIAM T.....Saugerties, N. Y.
LAIRD, JOHN ALEXANDER, Litt.B. Princeton 1914.....New York City
LEFFERTS, GILLET, A.B. Williams 1914.....New York City
LEONARD, CHESTER FREDERICK (Senior in Columbia College).....New York City
LETTS, IRA LLOYD, Ph.B. Brown 1913, A.M. 1914.....Moravia, N. Y.
LEVINSON, DAVID D., B.S. C. C. N. Y. 1912.....Harrisburg, Pa.
LEVY, JOHN, A.B. Harvard 1914.....New York City
LORD, GEORGE DE FOREST, A.B. Yale 1914.....New York City
MCANDREW, HURLBUT, A.B. N. Y. Univ. 1913.....Mamaroneck, N. Y.
MCCORMICK, BENJAMIN BERNARD, U. S. N. 1892.....New York City
MCKOWN, JAMES, JR., A.B. Williams 1914.....Rochester, N. Y.
MCNEIL, EDWIN C., U. S. M. A. 1907.....New York City
MACKENZIE, DONALD, A.B. Williams 1914.....New York City
MACLACHLAN, HOWARD J.....Yonkers, N. Y.
MALINO, JEROME ERNEST, A.B. C. C. N. Y. 1914.....New York City
MASON, WILLIAM PITT, JR.....Troy, N. Y.
MAYER, DONALD REGIS.....Meadville, Pa.
MELENEY, CLARENCE COIT, A.B. Dartmouth 1913.....New York City
MERNSTEIN, MAXWELL HENRY.....Stamford, Conn.
MILLER, EDWARD CLARENCE, JR., A.B. Yale 1914.....New York City
MOTTOLA, JOHN HENRY, A.B. St. Francis Xavier 1914.....New York City
MURPHY, JAMES ADAM (Senior in Columbia College).....Buffalo, N. Y.
NEARY, OLCOTT, A.B. Rochester 1914.....Rochester, N. Y.
NEELY, HOWARD ARTHUR, A.B. Penn State 1915.....Westfield, N. J.
NEKARDA, VICTOR FRANCIS, A.B. 1914.....New York City
NEVIN, WILLIAM MORRIS (Senior in Columbia College).....New York City

NEWMAN, FRED WHITLOCK (Senior in Columbia College).....New York City
NEWMAN, JULIEN WHITLOCK (Senior in Columbia College).....New York City
NICHOLS, HARRY WILLIAM, III.....Vandergrift, Pa.
NICHTHAUSER, VICTOR, A.B. N. Y. Univ. 1914.....New York City
NOREK, ALFRED (Senior in Columbia College).....New York City
O'DONOHUE, HENRY BRUNER, A.B. Princeton 1913.....New York City
OELRICHS, HERMANN.....New York City
O'REILLY, VINCENT J. (Senior in Columbia College).....Jersey City, N. J.
OUTWATER, JOHN OGDEN, B.S. Amherst 1914.....New York City
OWEN, CHANDLER, A.M. 1914, A.B. Va. Union 1913.....Fredericksburg, Va.
PARTRIDGE, THEODORE DWIGHT, A.B. Yale 1912.....New York City
PERKINS, CHARLES CALLAHAN, A.B. Harvard 1909.....New York City
PHILLIPS, GEORGE FELTER, A.B. Princeton 1914.....Newark, N. J.
REDMOND, ROLAND LIVINGSTON, A.B. Harvard 1914.....Tivoli, N. Y.
REMSEN, MARTIN JOHNSON, A.B. Dartmouth 1914.....New York City
REMSEN, RICHARD, B.S. Dartmouth 1912.....New York City
REUBEN, MILTON HAROLD (Senior in Columbia College).....New York City
REUTER, LOUIS HERBERT, A.B. Harvard 1904.....Dorchester Center, Mass.
REYNOLDS, JOHN BATESON.....New York City
RICE, JULIAN (Senior in Columbia College).....New York City
RIGGS, ROLAND ROGERS, A.M. 1913, U. S. N. A. 1904.....New York City
ROBINSON, DENTON DWIGHT, A.B. Colgate 1914.....New York City
ROSE, JAMES MCKINLEY, A.B. Princeton 1913.....New York City
ROSENSTOCK, FELIX METZGER, A.B. 1914.....New York City
ROTKOWITZ, HARRY, A.B. C. C. N. Y. 1914.....New York City
RYAN, J. FRANCIS, A.B. Georgetown 1914.....Elizabeth, N. J.
SAMUELS, LEM, A.B. C. C. N. Y. 1914.....New York City
SCHAFFER, MORRIS P., B.S. Union 1914.....Schenectady, N. Y.
SANFORD, HOWARD ROLLIN, A.B. Harvard 1913.....Potsdam, N. Y.
SCHATZ, LOUIS MAURICE.....Hartford, Conn.
SCHOENFELD, JOHN WILLIAM, U. S. N. A. 1900.....New York City
SHAW, FRANK D., II, A.B. 1914.....New York City
SHEPHERD, ALLAN RAMSEY, A.B. Iowa 1914.....Harlan, Ia.
SHEFNER, HOWARD B., A.B. North Carolina 1912.....Shelbyville, Tenn.
SHOVE, BENJAMIN EDWARD, A.B. Yale 1914.....Syracuse, N. Y.
SMITH, ELIOT CONGDON, A.B. Cornell 1914.....Binghamton, N. Y.
SOBEL, JEFFREY MORTIMER, A.B. Pennsylvania 1913.....New York City
SPALTHOFF, WILLIAM DORNEDDEN, Chem.E. 1914.....New York City
STEINMAN, BERNHARD.....New York City
STILLMAN, WALTER MARTIN (Senior in Columbia College)....Council Bluffs, Ia.
STOCKTON, KENNETH EVANS, Litt.B. Princeton 1914.....Ridgewood, N. J.
STONE, GEORGE HOLLENBACK WELLES, Ph.B. Yale 1914.....Binghamton, N. Y.
STRAHAN, JOHN WINDRUM, B.S. Amherst 1914.....Newark, N. J.
TASHOF, JACOB JULIAN (Senior in Columbia College).....New York City
TAYLOR, BURNHAM K., B.S. Princeton 1914.....New York City
THOMAS, LUKE GARRETSON, A.B. Williams 1914.....New York City
THORBURN, THEODORUS MCLEOD, A.B. Rutgers 1914.....Clifton, N. J.
TICHENAR, CLIFFORD LEIGH (Senior in Columbia College).....Mt. Vernon, N. Y.
TRAINER, CAMILLUS ROGERS (Senior in Columbia College).....Huntington, N. Y.
TURETS, DAVID (Senior in Columbia College).....Pittsburgh, Pa.
TUTTLE, MINER WORTHINGTON, A.B. Amherst 1913.....Middletown, Conn.
VAN DOREN, DURAND HALSEY, A.B. Williams 1914.....East Orange, N. J.
VAN INGEN, RICHARD STORRS, A.B. Amherst 1914.....New York City
VAN SICLEN, CLINTON DE WITT, Ph.B. Dickinson 1914.....Bayside, N. Y.
WALKER, RAY MATTOX.....New York City

WALTMAN, HARRY R., A.B. Bucknell 1911.....Millville, N. J.
WASHBURN, WATSON, A.B. Harvard 1914.....New York City
WEBSTER, JAMES CUMMING.....New Haven, Conn.
WEIL, FRANK LEOPOLD (Senior in Columbia College).....New York City
WILSON, ANDREW, JR., A.B. Yale 1913.....Newark, N. J.
WOLF, JACOB WALTER, A.B. Princeton 1914.....New York City
WRAY, HARRY CLINTON, A.B. Colorado 1914.....Canon City, Colo.
WYMAN, GREY HUNTINGFORD, A.B. Brown 1908.....Lawrence, Mass.
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NON-MATRICULATED STUDENTS

BALES, HARRY OWEN.....New Market, Tenn.
BRINTON, BENJAMIN HARRISON.....Butte, Mont.
CZAJKA, LOUIS.....New York City
DAVISSON, RICHARD, A.B. Yale 1913.....Dayton, Ohio
DOREMUS, J. W., JR.....New York City
FEENEY, AMATUS EDWARD.....New York City
FESSENDEN, REGINALD KENNELLY.....Brookline, Mass.
FISHER, JOEL ELLIS, JR., A.B. Yale 1911.....New York City
FLECK, HARRY DEEGAN.....New York City
GALE, EARL HARRISON.....Gale, N. Y.
GARCIA, FABIAN.....New York City
GREENE, HAMILTON FLETCHER.....Washington, D. C.
HALL, JULIAN CROSWELL.....San Antonio, Texas
HAMILTON, ALEXANDER, JR.....Woodbury, Conn.
HILL, DUDLEIGH, A.B. 1910.....New York City
KANEKO, GIN JIRO.....New York City
KARSTEN, KARL GUSTAF, A.B. New Mexico 1911, A.B. Oxford 1914..Bryn Mawr, Pa.
LANGLEY, HOWARD WESLEY.....Tarrytown, N. Y.
DE LEON, JOSE.....New York City
MCLAUGHLIN, JAMES BENNETT, A.B. Ohio State 1912.....Dickinson, Md.
MCMANUS, BERNARD ALOYSIUS, A.B. Harvard 1910.....Fitchburg, Mass.
MABY, ADELBERT CONWAY.....Hilo, Hawaii
MANSBACK, IRVING E.....New York City
MEYER, LIONEL, L.L.B. Tulane 1914.....Shreveport, La.
MINSKY, HERBERT K., A.B. 1912, LL.B. 1914.....New York City
PARHAM, EDWARD RODNEY, LL.B. Arkansas 1913.....Little Rock, Ark.
PEEPLES, THORNWELL K.....Savannah, Ga.
PARCELL, JUAN MANUEL, JR.....Parita, Panama
REESE, ALBERT, A.M. Brown 1902, Ph.D. 1907.....New York City
ROBERTS, RICHARD EVAN, A.B. Leland Stanford 1914.....New York City
ROY, MALCOLM MILLER, A.B. 1909.....Nyack, N. Y.
SHAVER, HENRY NATHAN.....Cohoes, N. Y.
SHULER, JOHN WILLIAM, B.S. South Carolina 1912, LL.B. 1914...Batesburg, S. C.
SILVIA, JUAN.....Cienfuegos, Cuba
SMITH, ALLEN C.....McKinney, Texas
SMYTHE, CYRUS FIELD.....Thornton, Texas
STINSON, JOSEPH WHITLA, B.S. 1906, C.E. 1907.....New York City
STRAWMAN, CLIFFORD MELVIN, B.S. Cornell Ia. 1911.....Anamosa, Ia.
SWAIN, JOHN CARLISLE, A.B. Vanderbilt 1912, A.M. 1913.....New York City
SWENSON, HAROLD E.....Stanford, Conn.
TUNIS, ROBERTS.....Cambridge, Mass.
WILLIAMS, COLLEY EUGENE.....New York City
WILLIAMS, HAROLD VINCENT, A.B. Harvard 1911.....Somerville, Mass.
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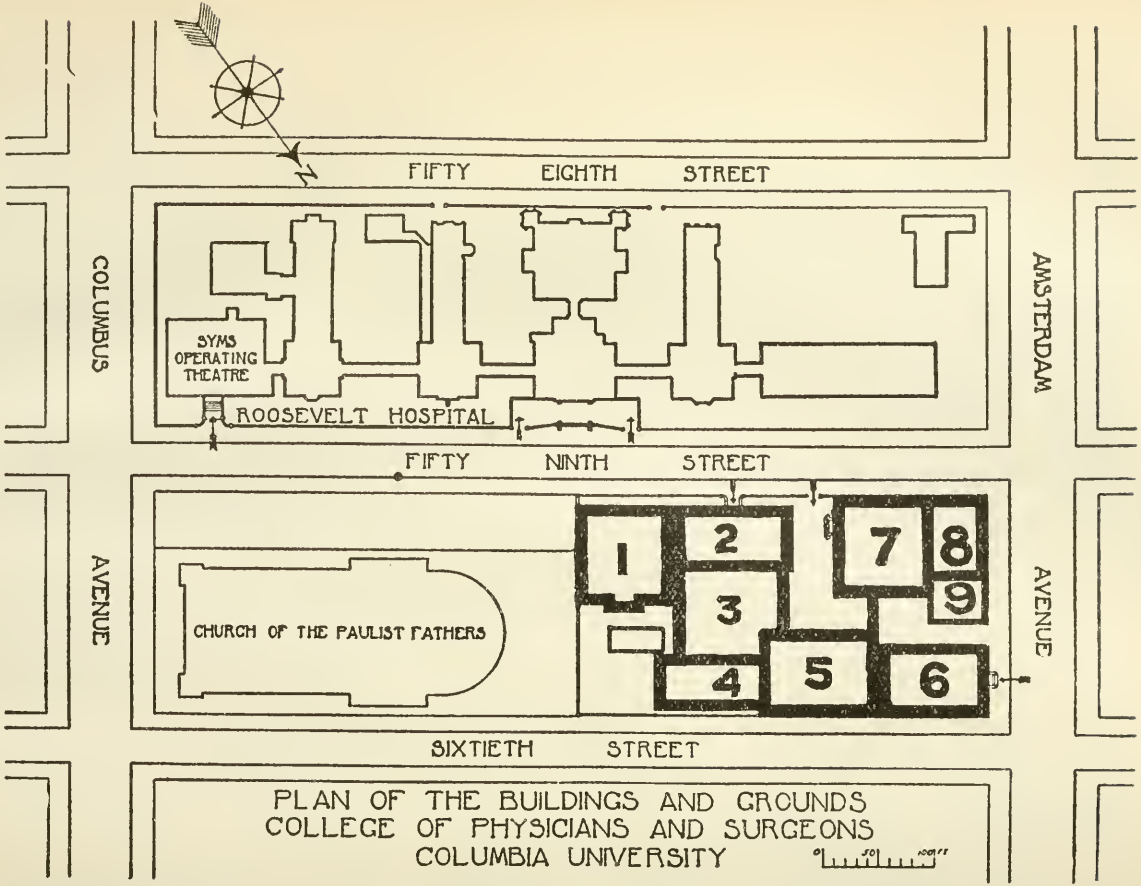
SUMMARY

Third Year—Class of 1915	131
Second Year—Class of 1916	128
First Year—Class of 1917	178
Non-matriculated students	43
Total	480
Deduct Columbia College Students	27
Net Total	453



PLAN OF THE BUILDINGS AND GROUNDS
COLLEGE OF PHYSICIANS AND SURGEONS
COLUMBIA UNIVERSITY

No. 1. Institute of Anatomy
No. 2. South Wing
No. 3. Middle Wing
No. 4. North Wing
No. 5. Vanderbilt Clinic East
No. 6. Vanderbilt Clinic West
No. 7. Sloane Maternity Hospital East
No. 8. Sloane Maternity Hospital West
No. 9. Gynecological Building

SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

Faculty

President BUTLER
Dean LAMBERT

Professors BREWER, BURTON-OPITZ, CRAGIN, EVANS, GIES (*Secretary*), HOLT, HUNTINGTON, LAMBERT (A. V. S.), LEE, LONGCOPE, MACCALLUM, PAINTER, SCHULTE, STARR, TILNEY, WOOD, ZINSSER

Committees

ON ADMINISTRATION: The Dean (*Chairman*), Professors BREWER, CRAGIN, HUNTINGTON, LEE, LONGCOPE and MACCALLUM

ON ADMISSIONS: The Dean (*Chairman*), Professors ZINSSER and SCHULTE.

ON SCHOLARSHIPS: The Dean (*Chairman*), Professors PAINTER and BURTON-OPITZ

ON STUDENTS' LIBRARY: Professors HUNTINGTON (*Chairman*), BREWER, and GIES

Delegates to the University Council (see page 5)

Historical

King's College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of King's College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1769 the degree of Doctor of Medicine has been conferred by

Columbia University on 7860 men, including many of the most eminent practitioners in the United States.

Location and Equipment The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings which stand upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite the Roosevelt Hospital.

Main Building The main College buildings have been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In these buildings, which have a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments; the administrative offices, the laboratories of physiology, bacteriology, anatomy, organic and biological chemistry, surgery, pharmacology and pharmacy, pathology and clinical pathology, the morphological museums and laboratory, a dissecting-room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department, see the departmental statements.

Presbyterian Hospital The alliance brought about by the mutual action of the two boards of trustees between the College of Physicians and Surgeons and the Presbyterian Hospital will permit the scientific and clinical direction by the University of the medical, surgical, and pathological services of the hospital. A clinic service in medicine and in surgery has been organized in the hospital and placed in the charge of the Professors of Medicine and of Surgery, respectively. These services contain about fifty beds each and form an admirable beginning of a ward hospital service for the Departments of Medicine and of Surgery. The Presbyterian Hospital contemplates the building of a new plant in which the present arrangements will be far surpassed, both in scientific facilities and in the number of beds.

The exceptional advantages of such an alliance between the College and the Presbyterian Hospital can scarcely be overstated. The system of sending fourth-year students to the various hospitals as clinical clerks has been strengthened and made more effective. The students will be sent to the other hospitals, which have admitted clinical clerks, as heretofore, but the wards of the Presbyterian Hospital, in so far as they have been designated for university purposes, will offer a more thorough opportunity for the study of bed patients. The development on these lines

will place the College of Physicians and Surgeons in the position where its clinical facilities will be commensurate with the laboratory development which has taken place during the last ten years.

Library

The libraries of the College of Physicians and Surgeons consist of a general reference library with reading-room, and the special libraries of various departments. The general reference library is located on the first floor of the main building. It is open during the day and is freely accessible to all students. It contains 2,485 volumes and 5,000 pamphlets, which include a collection of current textbooks and monographs and the most important current medical journals. The books are classified according to the classification of the Library of Congress, and are catalogued with author, subject, and title entries. The catalogue will eventually become a union catalogue of all books in the different libraries of the College. Books are loaned out over night for the convenience of students who wish to study at home. The special libraries are located in the rooms of the various departments. They consist largely of periodical literature, but include many monographs and other books relating to the subjects of the respective departments. They are of special interest to the investigators in these departments, but may be used by other students upon special request.

More than three hundred periodicals are received in the several libraries of the College. The number of volumes and pamphlets is as follows:

Anatomy, 1450 volumes, 2,000 pamphlets; Biological Chemistry, 2600 volumes, 7,000 pamphlets; Pathology, 5,600 volumes, 2,000 pamphlets; Pharmacology, 350 volumes; Physiology, 6,000 volumes, 9,500 pamphlets; Practice of Medicine (Janeway Library), 2,900 volumes, 3,300 pamphlets; Reference Library, 2,500 volumes, 5,000 pamphlets; Surgery (at the Presbyterian Hospital) 600 volumes, 1,000 pamphlets; total, 23,200 volumes, 31,800 pamphlets.

This fund was established by a legacy from the late Mr. George Crocker for the purpose of conducting an investigation on the subject of cancer. The research laboratories of the Fund are situated on East Field, in a three story and basement, fireproof structure, measuring about forty by one hundred feet. The building is very completely equipped with the necessary apparatus for the experimental study of cancer, and contains a large collection of specimens, a very complete library, photographic and photomicrographic appartus, etc.

While the immediate object of the Fund is the promotion of research in cancer, voluntary workers who have had suitable preparation in pathological histology and pathology are welcome, and will be given sufficient instruction to enable them to pursue in a satisfactory manner some phase of cancer research. Informal courses will also be offered by the staff in the biology, classification, and diagnosis of tumors.

Vanderbilt Clinic The Vanderbilt Clinic is a fully-equipped dispensary for the sick poor. It affords ample material for extended practical clinical instruction in the various departments of medicine and surgery, as the professors, with their clinical assistants, have the entire charge of its practice. The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a small lecturé hall. Modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of methods in each of the special departments of medicine. During the year 1913, 35,160 patients were treated, making 122,563 visits to the Clinic. For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the current *Announcement of the College of Physicians and Surgeons.*

Sloane Hospital The Sloane Hospital for Women is under the direction of the Professor of Obstetrics and Gynecology in the College of Physicians and Surgeons, an Instructor in Obstetrics and an Instructor in Gynecology being the Resident Officers. The wards of the Hospital furnish one hundred and twenty-seven obstetrical beds, one hundred babies' cribs, and twenty-four gynecological beds. In addition there are forty-two private-room beds and accommodations for the house staff, students, and nurses. There are two large operating rooms, one for obstetrics and one for gynecology, each equipped with modern appliances for dealing with these conditions, where weekly clinics are held throughout the year.

With the completion of the Gynecological Department of the Sloane Hospital, the operative material of the large gynecological service of the Vanderbilt Clinic is made available for teaching purposes, so that students of the College of Physicians and Surgeons receive on the college grounds practical instruction, not only in normal and complicated obstetrics and the care of young babies, but in the treatment, operative and palliative, of all diseases of the female pelvic organs.

Hospital Clinics The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries and at the bedside, all of which are prominent features of the curriculum. These hospitals are as follows: Roosevelt, Bellevue, Presbyterian, St. Lukes, German, Mt. Sinai, City, Lincoln, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker, Scarlet, Fever and Reception, New York Eye and Ear Infirmary, Foundling, the Babies' Hospital, Herman Knapp Memorial Eye Hospital, the Manhattan Eye, Ear and Throat Hospital, and the Woman's Hospital. For a detailed statement, see the current *Announcement of the College of Physicians and Surgeons.*

Plan of Instruction

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics, general inorganic chemistry, and biology are now required for admission, and the student of medicine will grasp the advanced subjects forming the groundwork of the course the more easily and with the better understanding in proportion to the breadth and completeness of his preliminary education. The attention of students is particularly called to the regulations of Columbia College (see page 204) which permit a student to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some one subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting-room. Organic chemistry is taught by lectures, recitations, demonstrations, and laboratory exercises; a practical course in histology and embryology is given. In the second half of the first year physiology is begun, for which the students have been prepared by courses in anatomy. Physiology is taught by lectures, demonstrations, recitations, and practical work in the laboratory. Physiological chemistry is studied in the laboratory and by lectures, recitations, and demonstrations; anatomy is continued and the course in histology and embryology is completed.

In the first half of the second year anatomy and physiology are completed. The lectures, recitations, and laboratory courses in pharmacology and bacteriology are attended. As preliminary to the third and fourth years, recitations from text-books are held in obstetrics and surgery. Throughout the second year the students are assigned to the laboratory for work in pathology and gross pathological anatomy. In the second half of the year they study clinical pathology and are prepared for the study of medicine by an elementary clinic, and by instruction in the methods of physical diagnosis.

During the third year recitations in medicine and surgery are continued and those in gynecology, diseases of children, and therapeutics are begun. There are theoretical or clinical lectures in medicine, surgery, pharma-

cology and therapeutics, obstetrics, gynecology, neurology, genito-urinary diseases, laryngology, otology, opthalmology, dermatology and syphilology, orthopedic surgery, and diseases of children. The class is divided into small sections for instruction in physical and medical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress. In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Hospital for Women and out-patient obstetrical department in connection with the Nursery and Child's Hospital offer excellent opportunities. Here the student is required to live for five weeks and personally attend a certain number of cases of labor. The course in diseases of children includes bedside instruction in the wards of the Babies' Hospital, where exceptional advantages are enjoyed by the students for studying all forms of acute disease in infants and young children. The course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

Clinical Clerks Courses in the wards of St. Luke's, Bellevue, Roosevelt, the Mt. Sinai, the Presbyterian, and the German Hospitals have been opened by those institutions to fourth-year medical students. These courses consist of work in the wards of the hospitals during which the students serve as clinical clerks both in medicine and surgery and become for the time being members of the regular staff. The courses are open for periods of two months' duration both during the summer and during the regular term.

Admission All candidates must present the medical-student certificate of the Regents of the University of the State of New York, based on the following qualifications:

(*a*) The completion of not less than two full years of study, or the equivalent, in an approved college or scientific school, which course must have included at least one year's instruction in the elements of physics, inorganic chemistry, and biology and a modern language; or

(*b*) In lieu of the above, candidates of mature years who meet the

legal requirements may present such evidence as the Faculty may require, to prove exceptional fitness to undertake with advantage the study of medicine.

Advanced Standing

Candidates who have completed, without conditions, one or more years of study in a medical school rated in class A or A+ by the Council on Medical Education of the American Medical Association amd who apply for admission to the College of Physicians and Surgeons will be given credit for all courses satisfactorily completed therein, on presentation of proper certificates to the Committee on Admissions, covering the same; provided that the candidates before beginning the study of medicine have fulfilled the requirements for admission demanded by the College of Physicians and Surgeons. Application blanks will be furnished on request, and prospective students are requested to file their applications before September 1st to avoid delay in matriculating at the beginning of the season. It is essential that students offering themselves for admission to advanced standing should have had all the work presented in the curriculum of the College of Physicians and Surgeons.

Admission to the second year. Students planning to enter the second year from other medical schools who have not had a course in physiological chemistry at their medical school of previous residence may make up that deficiency by a course in the summer session at Columbia.

Admission to the third year. The course in medical education divides itself logically into two parts, the first of which is scientific and consists of the first two years, and the second is clinical and consists of the last two years. It is found difficult to separate the work of the third and fourth years, and students who desire to obtain the advantages of the clinical opportunities offered in New York City, so far as they are represented by the College of Physicians and Surgeons, are recommended to transfer from their college of previous study at the end of their second year in medicine, and to take both the third and the fourth years at Columbia. Students who have finished the combined course leading to a bachelor's degree, of which the last two years have been taken in a regular medical school connected with their university, are eligible for admission to the third year at the College of Physicians and Surgeons, provided they have taken all the courses of its first two years. Those students, however, who are deficient in clinical pathology or pathology, may make up the deficiency in the summer sessions. Those students who are deficient in physical diagnosis may make up this subject in a special course which is given at the Vanderbilt Clinic for two weeks before the session opens.

Admission to the fourth year. The fourth year at the College is so eminently clinical that admission to it will be limited to students who have already secured the degree of doctor of medicine. It is believed that it will

be found to be a valuable post-graduate year for many graduates of other institutions.

Special Students Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation. Special students will be required to present to the Committee on Admissions before entrance evidence of an adequate preliminary education, and special fitness for the particular work they desire to pursue.

Graduation Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.

2. To present evidence of having complied with the requirements for admission.

3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. (See table, page 253.)

4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the preceding clause.

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES (see page 473)

Employment Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 71–194, and more fully in the current *Announcement of the College of Physicians and Surgeons.*

Summer Session A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents, this volume), and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged, will be sent upon application to the Secretary of Columbia University. (See page 6.)

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the current *Announcement of the College of Physicians and Surgeons*)

First Year	Second Year	Third Year	Fourth Year
Chemistry (Organic) 51 Anatomy (including Histology and Embryology) 101, 103–104 Physiology 106–107 (first half) Physiological Chemistry 101 or 102 *Examinations upon the work of the first year* *Electives* Anatomy 202, 204, 302 Biological Chemistry 211–212, 213–214, 221–222, 223–224, 225–226, 251–252, 261–262, 271–272, 281–282, 301–302 Surgery 216	Anatomy 105 and 107 Physiology 106–107 (second half) Pathology 101–102, 105–106 Bacteriology 101 Pharmacology, Materia Medica, and Therapeutics 101–102 Obstetrics 102 Practice of Medicine 102, 104, 106 Surgery 104 *Examinations upon the work of the second year* *Electives* Anatomy 109, 111, 113, 114, 116, 118, 120, 202, 204, 251–252 and 302 Biological Chemistry 211–212, 213–14 221–222, 223–224, 225–226, 251–252, 261–262, 271–272, 281–282, 301–302 Pathology 103–104, 107, 109–110, 111–112, 201–202, 251–252	Therapeutics 201–202, 204 Practice of Medicine 201–202, 205–206, 207–208, 209–210 Neurology 201–202, 203–204 Surgery 201–202, 203–204, 205–206, 207 Obstetrics 201 Gynecology 201, 202 Genito-Urinary Diseases 201, 202 Ophthalmology 201 and 202 Otology 201, 202 Diseases of Children 201, 203, 204, 206, 207–208 Orthopedic Surgery 202 Dermatology 201–202, 204 Laryngology 201, 202 *Examinations upon the work of the third year* *Elective Courses* Anatomy 109, 111, 113, 114, 116, 118, 120, 202, 204, 251–252 and 302	Therapeutics 205, 207, 209–210 Practice of Medicine 211–212, 213–214, 215–216 Neurology 203–204, 205 Surgery 209–210, 211–212, 213–214 Obstetrics 203–204, 205–206 Gynecology 203–204, 205–206, 207–208, 209–210 Diseases of Children 203, 204, 209–210 Hygiene and Preventive Medicine 202 *Examinations upon the work of the fourth year* *Elective Courses* Anatomy 109, 111, 113, 114, 116, 118, 120, 202, 204, 251–252 and 302 Bacteriology 201, 203, 205–206, 208 and 209–210, 251–252 Biological Chemistry 211–212 221–222, 223–224, 225–226, 251–252, 261–262, 271–272, 281–282, 301–302

		Bacteriology 201, 203, 205–206, 208, 209–210 and 251–252	Dermatology and Syphilis 205–206, 207–208, 209–210, 211–212
		Biological Chemistry 211–212, 213–214, 221–222 223–224, 225–226, 251–252, 261–262, 271–272, 281–282, 301–302	Diseases of Children 213–214, 215–216, 217–218
		Genito-Urinary Diseases 204 and 206	Gynecology 211–212, 213–214 and 215–216
		Laryngology 204 and 206	Laryngology 207–208
		Ophthalmology 205–206	Neurology 207–208, 209–210, 211–212, 213–214
		Otology 205–206	Ophthalmology 205–206
		Pathology 107, 109–110, 111–112, 201–202, 203, 204, 205 and 251–252	Orthopedic Surgery 203–204, 205–206 and 207
		Physiology 201–202, 203–204, 205–206 and 251–252	Otology 205–206
		Practice of Medicine 217–218, 219–220, 224, 228 and 235	Pathology 107, 109–110, 111–112, 113–114, 201–202, 203, 204, 205 and 251–252
		Surgery 217–218	Physiology 201–202, 203–204, 205–206, 207 and 251–252
		Therapeutics 213–214, 215, 217 and 251–252	Practice of Medicine 217–218, 219–220, 224, 228, 230, 233–234, 235, 237–238, 239–240 and 251–252
			Surgery 217–218, 219–220, 221–222, 223–224, 225–226, 227–228 and 229–230, 231–232, 233–334
			Therapeutics 211–212, 213–214, 215, 217 and 251–252

[1] In all subjects which are not completed in a single year, the instruction offered to a given student is different each year. Consult the departmental statements (pp. 71, *et seq.*) for:

(1) The scope of each course, the number of hours required for it, and the instructors giving it.

(2) Information regarding the courses open to special (graduate) students in medicine.

(3) Courses which may be counted towards the degrees of A.M. and Ph.D.

REGISTER OF STUDENTS

SCHOOL OF MEDICINE

FOURTH YEAR—CLASS OF 1915

ALLISON, BENJAMIN ROY, B.S. Dartmouth 1911.....Malone, N. Y.
BAKER, WILLIS POWER.....Cranford, N. J.
BERMAN, LOUIS.....New York City
BIDWELL, ALFRED MORRELL, Ph.B. Yale 1911.....Jersey City, N. J.
BROKAW, RAYMOND VOORHEES.....New York City
CABANISS, JOE TURNER, B.S. and A.M. Wake Forest 1911, 1913....Shelby, N. C.
CARP, LOUIS.....New York City
CLARKE, PHILIP HENRY.....Holyoke, Mass.
CLEVELAND, MATHER, A.M. Yale 1914.....Denver, Colo.
CLIMAN, MAX, A.B. Yale 1913.....Hartford, Conn.
COLP, RALPH, A.B. 1913.....New York City
COLVIN, WILLIAM PUTNAM.....New York City
DESNOES, PERCY HAROLD.....New York City
DINGMAN, NORMAN MCLEOD, A.B. 1912.....Spring Valley, N. Y.
DODD, RAYMOND CANFIELD, A.B. Williams 1911.....Glen Ridge, N. J.
DYE, JOHN SINCLAIR.....Chattanooga, Tenn.
EASTON, EDWARD RAYMOND, A.B. Yale 1913.....Granby, Mass.
ELLINGTON, AMZI JEFFERSON, B.S. Wake Forest 1913.....Raleigh, N. C.
FELSEN, JOSEPH, A.B. C. C. N. Y. 1911.....New York City
FRIEDMAN, WILLIAM.....New York City
GAMRIN, ELIAS.....New York City
GOLDSTONE, JOSEPH, A.B. C. C. N. Y. 1910.....New York City
GOTTESMAN, JULIUS, B.S. C. C. N. Y. 1911.....New York City
GREENBERGER, MORRIS.....New York City
HALSTED, HALCYON, Pd.B. Colorado State Normal School 1910.....Greeley, Colo.
HAMRICK, JAMES YATES, JR., B.S. Wake Forest 1911.....Shelly, N. C.
HANSEN, HARRY BEAUVOIR, Ph.C. 1910.....Weehawken, N. J.
HOLZMAN, MARTIN, B.S. 1913.....New York City
HURD, RALPH ABRAM.....Stony Point, N. Y.
IAASON, ALFRED H., A.B. 1912.....Brooklyn, N. Y.
IRISH, CHARLES GILBERT, A.B. Hobart 1911.....Lancaster, N. Y.
JACOBS, ALEXANDER WILLIAM.....New York City
JERSKEY, ABRAHAM, B.S. C. C. N. Y. 1911.....New York City
JOHNSON, HAROLD FOOTE, A.B. Hamilton 1911.....Oxford, N. Y.
JOHNSON, REDFORD KOHLSAAT.....New York City
KENNY, JOHN J., A.B. College of St. Thomas 1911.....Mankato, Minn.
KHURI, HALIM BASIL.....Sagbin, Syria
KLEIN, EUGENE, A.B. 1913.....New York City
KRAMER, BERTRAM SOLOMON, B.S. C. C. N. Y. 1910.....New York City
LADD, WILLIAM SARGENT, B.S. Amherst 1910.....New York City
LASHER, WILLIS W.....Germantown, N. Y.
LEVY, JEROME, A.B. 1913.....Brooklyn, N. Y.
LEWIS, RAYMOND WILLIAM, A.B. Yale 1911.....New Britain, Conn.
LYON, BROCKTON REYNOLDS.....Greensboro, N. C.
MCELVARE, GEORGE GERARD, B.S. 1913.....Brooklyn, N. Y.

McFarland, Arthur Henry, B.S. Minnesota Univ. 1913.....St. Paul, Minn.
McLendon, Preston Arthur, B.S. Wake Forest 1913.....Mowen, N. C.
Martinson, Herman, A.B. C. C. N. Y. 1911.....New York City
Mathews, Raymond Hamilton, B.S. N. Y. Univ. 1912.....Jersey City, N. J.
Mayer, Max David, A.B. 1912.....New York City
Meleney, Henry Edmund, A.B. Dartmouth 1909.....Brooklyn, N. Y.
Messemer, John Francis, A.B. St. Francis Xavier Coll. 1911.....New York City
Michaels, Leo.....New York City
Miles, Seth Herbert, B.S. University of Nebraska 1912.....So. Lancaster, Mass.
Munger, Arbor Day, B.S. Univ. of Nebraska 1913.....Oelwein, Iowa
Newfield, Lewis Alfred, Ph.B. Brown 1911.....Brooklyn, N. Y.
Nichols, Charles Fay, A.B. Oberlin 1911.....Watkins, N. Y.
Pardee, Irving Hotchkiss, A.B. 1913.....New York City
Price, Joseph, B.S. 1913.....New York City
Pyle, Edwin.....So. Yonkers, N. Y.
Reynolds, Robert Jesse, A.B. 1912.....Potsdam, N. Y.
Rudolphy, Jay Besson.....Hoboken, N. J.
Sanders, Theodore Michael, A.B. 1912.....New York City
Seiff, Harry Joseph, B.S. C. C. N. Y. 1911.....New York City
Shapiro, Isidor F.....New York City
Shugart, Floyd Caldwell, B.S. Wake Forest 1913.....Jonesville, N. C.
Slatkin, Harry, B.S. Oklahoma 1913.....New York City
Smith, Alan De Forest, A.B. 1913.....New York City
Smith, Harold Ellsworth, A.B. Yale 1911.....New York City
Snyder, Frank Hassan, A.B. Hobart 1911, B.S. Indiana 1913.....Geneva, N. Y.
Sobin, Julius, A.B. C. C. N. Y. 1909.....Bayonne, N. J.
Stanley, Stephen Treat, A.B. Williams College 1907.....Norwalk, Conn.
Stearns, Wilbur Watkins, A.B. 1912.....Yonkers, N. Y.
Steel, James Alexander, B.S. 1911.....Las Cruces, New Mex.
Stevens, Albert Mason, A.B. Yale 1905.....Brooklyn, N. Y.
Stevens, Neil Campbell, A.B. Yale 1910.....Morristown, N. J.
Sussman, Henry Alexander, B.S. C. C. N. Y. 1911.....Brooklyn, N. Y.
Taylor, Harold Williams, A.B. 1909.....New York City
Thomas, Clarence Proctor, A.B. Yale 1911.....New York City
Unger, Jonas J., A.B. C. C. N. Y. 1911.....New York City
Valensi, Albert, B.S. 1913.....New York City
Wakeley, William Easton, B.S. Univ. of North Carolina 1913....Orange, N. J.
Williams, Jesse Feiring, A.B. Oberlin 1909.....New York City
York, Heward Sovreign.....Waterford, Canada
Young, John Joseph, Jr., A.B. St. Francis College 1911.....Brooklyn, N. Y.
Zion, Lewis, A.B. C. C. N. Y. 1911.....New York City

Fourth Year—Class of 1915..... 86

THIRD YEAR—CLASS OF 1916

Ahrens, Herman Frederick, Phar.D.....New York City
Bell, Alfred Lee Loomis, B.S. 1914.....Englewood, N. J.
Berry, Charles Nelson, A.B. and B.S. Oklahoma Univ. 1914....Norman, Okla.
Bindermann, Saul Arthur, A.B. C. C. N. Y. 1910.....New York City
Blanton, Wyndham Bolling, A.B. Hampden Sydney 1910, A.M. Univ. of Virginia 1912.....Richmond, Va.
Blue, George Eason, B.S. Chemistry Alabama Polytechnic....Montgomery, Ala.
Bluestone, Ephraim Michael, B.S. 1913.....New York City
Bonvicino, Louis Anthony.....Brooklyn, N. Y.
Bostanian, Kevork Nerses, A.B. Central Turkey Coll. 1907....Aintab, Turkey
Brady, Leopold, B.S. 1914.....Brooklyn, N. Y.
Bruner, Abram Breneman, A.B. Wesleyan 1913.....Columbia, Pa.

BULL, DAVID CHAPMAN, Ph.B. Yale 1912.....Naugatuck, Conn.
BUTLER, CHARLES TERRY, A.B. Princeton 1912.....New York City
CONAN, NEAL JOSEPH, A.B. St. John's College 1910.....Pompey, N. Y.
COX, WESLEY CINTRA, A.B. 1913.....Brooklyn, N. Y.
DOBRIN, MAX, B.S. University of Michigan 1914.....Montclair, N. J.
FERRY, RONALD MANSFIELD, A.B. Harvard 1912.....New York City
FIELD, MANNING CROMWELL, A.B. Williams 1912.....Brooklyn, N. Y.
FOOTE, MERRILL NEWTON.....Richmond Hill, N. Y.
FORTUINE, STANLEY THEODORE, A.B. Hope College 1912.....Holland, Mich.
GOLDFARB, BARNETT, A.B. C. C. N. Y. 1912.....Brooklyn, N. Y.
GOODLICK, SAMUEL.....Seattle, Wash.
GROLLMAN, MEYER, A.B. C. C. N. Y. 1912.....New York City
HARTVIGSEN, HYRUM JACOB, B.S. Agricultural Coll. of Utah 1913..Downey, Idaho
HAUBEN, LOUIS, B.S. 1914.....New York City
HENRY, TIDAL BOYCE, B.S. Wake Forest 1913.....Wadesboro, N. C.
HUME, WALTER FAIRBANK, Ph.B. Yale 1912.....Springfield, Mass.
JESSUP, EVERETT COLGATE, B.S. Princeton 1911.....Brooklyn, N. Y.
JEWETT, CHARLES HARVEY.....Canandaigua, N. Y.
JOHNSON, PAUL BARRUS.....New York City
KAHN, SAMUEL, B.S. 1912.....New York City
KUHN, ISIDOR RUSSEL, A.B. 1914.....New York City
LEGGETT, THOMAS HAIGHT, A.B. 1914.....Plainfield, N. J.
LINTZ, JOSEPH, B.S. 1914.....Brooklyn, N. Y.
LIPSETT, PHILIP JOSEPH.....New York City
MAGNETTE, JULES, JR., A.B. 1914.....Newark, N. J.
MAHON, HUGH WILLIAM, A.B. C. C. N. Y. 1912.....New York City
MAMELOK, LOUIS, A.B. C. C. N. Y. 1912.....New York City
MANJONEY, PHILIP, A.B. Yale 1913.....Bridgeport, Conn.
MANN, LEWIS THEODORE.....Brooklyn, N. Y.
MCNEILE, HECTOR JAMES.....Brooklyn, N. Y.
MELENEY, FRANK LAMONT, A.B. Dartmouth 1910.....Brooklyn, N. Y.
MESSING, ARNOLD, A.B. C. C. N. Y. 1912.....New York City
MORRISON, HAROLD FLEMING, A.B. Univ. of Nebraska 1913.....College Springs, Ia.
NEMSER, MAXIMILION, Ph.C. 1912.....New York City
NICOLSON, WILLIAM PERRIN, JR., A.B. Univ. of Georgia 1912.....Atlanta, Ga.
O'CONNOR, ARTHUR JOSEPH.....Brooklyn, N. Y.
OSSERMAN, HYMAN JOSEPH, A.B. 1913.....Edgewater, N. J.
RADIN, MORRIS JACOB, A.B. Yale 1914.....Hartford, Conn.
RANDALL, JOHN ALBERT, A.B. Dartmouth 1913.....Berkely, Mass.
RAYLE, ALBERT AMIS, JR., A.B. Mercer 1908, A.M. Univ. of Ga. 1912. Lexington, Ga.
ROSENMAN, JACOB DANIEL.....New York City
SALOMON, ALFRED VICTOR, B.S. C. C. N. Y. 1912.....New York City
SANMANN, LOUIS FREDERIC, B.S. Univ. of Nebraska 1914.....Diller, Neb.
SCHLEUSSNER, ROBERT CLINTON, Ph.C. 1912.....New York City
SCHRAM, CLARE FREDERICK NESBIT.....Brooklyn, N. Y.
SCHOLZ, THOMAS.....New York City
SHATARA, FAUD ISA.....Jaffa, Turkey
SHIBLEY, GERALD SPENCER, A.B. 1913.....New York City
SMITH, GROVES BLAKE.....Godfrey, Ill.
STADIE, WILLIAM C., B.S. and M.S. N. Y. Univ. 1907 and 1912....New York City
STEINHOLZ, REUBEN, B.S. C. C. N. Y. 1912.....New York City
STRUMWASSER, SAMUEL, B.S. C. C. N. Y. 1912.....New York City
SWEET, WALLACE N., A.B. Yale 1911.....Lebanon, Conn.
TRACEY, WILLIAM WALLACE, Ph.B. Yale 1912.....Norwalk, Conn.
WIENER, JACOB J.....Rockaway Beach, N. Y.
WILLS, CHARLES EDWARD, A.B. Mercer Univ. 1912.....Washington, Ga.

WILSON, JAMES, A.B. 1914.....Jersey City, N. J.
WINTERNITZ, DAVID HENRY, Univ. of Utah.....Colorado City, Colo.
ZAMKIN, HARRY OSCAR, B.S. C. C. N. Y. 1912.....New York City

Third Year—Class of 1916..... 71

SECOND YEAR—CLASS OF 1917

AMDURSKY, ISAAC JAMES.....Jerusalem, Turkey
ANDERSON, GILBERT CHRISTIAN, A.B. Union Univ. 1905.....Jackson, Tenn.
BAKOVITZ, HARRY (Senior in Columbia College).....New York City
BELL, SAMUEL DENNIS, A.B. Princeton 1913.....New York City
BERGAMINI, HERBERT MUHLENBERG, Litt.B. Rutgers 1913 .....Brooklyn, N. Y.
BICKLEY, EMIL BURTON.....Waterloo, Iowa
BIERMAN, WILLIAM (Senior in Columbia College).....Brooklyn, N. Y.
BLANTON, HOWSON WALLACE, A.B. Hampden Sidney 1912.....Richmond, Va.
BLAUVELT, HAROLD, B.S. Wesleyan Univ. 1913.....New York City
BLOOD, WILKIE HOOPER, A.B. Brigham Young Coll. 1909.....Kaysville, Utah
BOGGESS, JOHN PAUL.....Clarksburg, W. Va.
BRAISLIN, WILLIAM DONALD (Senior in Columbia College).....Brooklyn, N. Y.
BULLEN, BERNARD CHRISTIE, B.S. Oklahoma A. & M. Coll. 1912..Stillwater, Okla.
CAMPBELL, WILLIAM EDWARD, JR., B.S. Univ. of Georgia 1913.....Atlanta, Ga.
CAVERLY, CHARLES EDWARD, JR., A.B. Univ. of Georgia 1913.....Atlanta, Ga.
CHAPMAN, WILL HARMON, Ph.B. Yale 1912.....New Britain, Conn.
DODDS, WILLIAM PAUL, Litt.B. Princeton 1912.....Kingston, N. Y.
EISNER, MOSES NATHANIEL (Senior Columbia College).....Poughkeepsie, N. Y.
FARNUM, WALDO B.....New York City
FERGUSON, LEE HOLISTER, B.S. Ohio Wesleyan Univ. 1913.....Delaware, Ohio
FERN, SAMUEL SIDNEY (Senior Columbia College).....Elizabeth, N. J.
FIELD, WILLIAM HINRICHS, A.B. Williams 1913.....Brooklyn, N. Y.
FINKLESTEIN, WILLIAM, Ph.C. 1913.....New York City
FISKE, PLINY BAXTER, Ph.B. Hamilton 1910.....Byron, N. Y.
FULLER, DUNCAN MACTAVISH, Ph.B. Sheffield 1913.....New York City
GOODMAN, HERMAN (Senior Columbia College).....New York City
GREENBERG, MORRIS, A.B. C. C. N. Y. 1911.....New York City
HECK, EDSON BURR, B.S. Princeton 1913.....Jersey City, N. J.
HERMAN, HAROLD (Senior Columbia College).....New York City
HERMES, HARRY LEONARD, Ph.C. 1911.....New York City
HERRING, ALBERT CRAWFORD, A.B. 1914.....Richmond Hill, N. Y.
HORTON, WILLIAM STEURER.....Yonkers, N. Y.
HUDSON, ERASTUS MEAD, B.S. Harvard 1913.....Plattsburg, N. Y.
HYMAN, HAROLD THOMAS (Senior Columbia College).....New York City
ILL, EDMUND WALDEMAR, B.S. Princeton 1913.....Newark, N. J.
ISAACS, HAROLD JOSEPH.....New York City
JOSEPHSON, EMANUEL M.....New York City
KAHN, REUBEN LEON, B.S. Valparaiso 1908, M.S. Yale 1913.....Freeport, N. Y.
KAUFMAN, JULIUS.....Brooklyn, N. Y.
KEATING, JOHN JOSEPH, A.B. Fordham Univ. 1913.....New York City
KOHN, JEROME, A.B. C. C. N. Y. 1913.....New York City
LATTMAN, JACOB, B.S. C. C. N. Y. 1913.....New York City
LAZARUS, JOSEPH ARTHUR, B.S. Univ. of Rochester 1914.....Rochester, N. Y.
LINETT, JOSEPH MORRIS.....Winnitza, Russia
LYNCH, JAMES A., JR. (Senior Columbia College).....New York City
LYONS, LAWRENCE VOSBURGH.....New York City
MANDEVILLE, STUART ELLSWORTH.....New York City
MARCUS, LAZARUS (Senior Columbia College).....Brooklyn, N. Y.
MEIERHOF, HAROLD LEE (Senior Columbia College).....New York City
MILLIGAN, ROBERT SYLVESTER.....New York City

MITCHELL, RALPH W., A.B. Indiana Univ.....Bedford, Ind.
MOORE, WALTER VAN OLINDA (Senior Columbia College).....Brooklyn, N. Y.
MORRISON, FREDERICK HOLTON, A.B. Harvard 1912.....Newton, N. J.
NICHOLAUS, JOHN LOUIS.....Schenectady, N. Y.
NOBLE, GEORGE HENRY, B.S. Univ. of Georgia 1913.....Atlanta, Ga.
O'DOWD, JOHN JOSEPH, A.B. St. Francis Xavier 1912.....New York City
POTTER, RAYMOND THORNTON, B.S. Wesleyan 1913.....Ellenville, N. Y.
PUDNEY, WILLIAM KENT.....Montclair, N. J.
PYLE, HENRY JOHN, A.B. Hope College 1913.....Zeeland, Mich.
QUINT, WALTER SOUTHARD, B.S. Dartmouth 1912.....West Medway, Mass.
RAMSEY, GEORGE HERBERT, A.B. Rutgers 1913.....Olean, N. Y.
RAND, EWING HASCALL, A.B. Yale 1911.....Lawrence, N. Y.
RANKIN, BERTRAND FRED, Ph.B. Sheffield 1913.....Corpus Christi, Tex.
RICE, FRANKLIN WILSON.....Brooklyn, N. Y.
RICHARDS, LLOYD, A.B. Princeton 1913.....New York City
ROBERTIELLO, ATTILIO, Ph.C. 1912.....New York City
ROGERS, RONALD BACON.....Neenah, Wis.
ROTHENBERG, DAVID MEYER (Senior Columbia College).....Brooklyn, N. Y.
RUDERMAN, LOUIS MACCABEE, A.B. C. C. N. Y. 1912.....New York City
SALWEN, EMANUEL (Senior Columbia College).....Brooklyn, N. Y.
SCHMALZRIED, ELMER WILLIAM, A.B. Northwestern 1911.....La Gro, Ind.
SEAMAN, JAMES ALPHEUS.....New York City
SIBBALD, JOHN OSWALD, C.E. Rensselaer P. I. 1906.....Troy, N. Y.
SILBERT, SAMUEL.....Plainfield, N. J.
SODERSTROM, GUSTAV ALBIN, A.B. Upsala 1911.....Jamestown, N. Y.
SOLOVEI, SAMUEL.....Brooklyn, N. Y.
STENBUCK, JOSEPH BENJAMIN, A.B. Harvard 1914.....Brooklyn, N. Y.
SUTLIFF, EDWARD HARRISON.....Brooklyn, N. Y.
TITLAR, RALPH S. (Senior Columbia College).....Ossining, N. Y.
VAIL, JOHN INSLEY BLAIR, B.S. and A.M. Princeton 1910–1913..Blairstown, N. J.
VAN DERWERKER, EARL EDWARD, B.S. Rutgers 1912.....Schuylersville, N. Y.
VINCENT, LEONARD MARSHALL, B.S. Colgate 1912.....Three Mile Bay, N. Y.
VON HOPE, FREDERICK HERBERT.....Orange, N. J.
WARE, EDWARD RICHMOND, A.B. Williams 1913.....New York City
WEST, RANDOLPH, A.B., A.M. Princeton 1912–1913.....Princeton, N. J.
WESTERMANN, JOHN JACOB, JR., A.B. Yale 1912.....Chicora, Pa.
WHITE, PARK JERAULD, JR., A.B. Harvard 1913.....Green Ridge, N. Y.
WILENS, IRA, B.S. C. C. N. Y. 1913.....New York City
WILSON, JOHN ALBERT (Senior Columbia College).....Bentham, Eng.
WURM, CARL (Senior Columbia College).....New York City
YAMPOLSKY, JOSEPH, A.B. Univ. of Georgia 1913.....Atlanta, Ga.
ZEMAN, FREDERIC DAVID, A.B. 1913.....Brooklyn, N. Y.

Second Year—Class of 1917..... 75
Juniors and Seniors from Columbia College..... 17

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FIRST YEAR—CLASS OF 1918

ALLEN, PAUL MASON, A.B. Wofford College 1914.....Spartanburg, S. C.
ANDERSON, ELMER LAWRENCE, B.S. Univ. of Missouri 1912.....Goodwater, Mo.
ANDREWS, GEORGE CLINTON, JR., A.B. Cornell 1912.....Tarrytown, N. Y.
APPELBAUM, EMANUEL (Junior Columbia College).....New York City
BABBOTT, FRANK LUSH, JR., A.B. Amherst 1913.....Brooklyn, N. Y.
BARNES, WILLIAM JAMES, A.B. Hamilton 1914.....Pittston, Pa.
BARONE, MELCHISEDECK ALFRED (Junior Columbia College)..South Norwalk, Conn.
BELL, GLEN RODERICK.....Denver, Colo.
BENNETT, JOHN WINFIELD.....Patchogue, N. Y.

Berner, Frank, Phar.C. 1914.....New York City
Bierhoff, Alan Frederic (Junior Columbia College).....New York City
Bowen, Robert Hall, A.B. Colby 1914.....Mt. Vernon, N. Y.
Brieant, Charles LaMonte (Senior Columbia College).....Ossining, N. Y.
Brotherton, Harold Taylor, Phar.C. 1914.....Peekskill, N. Y.
Browning, George Emmett.....Ogden, Utah
Bunzel, Ernest Everett, Litt.B. Princeton 1914.....New York City
Clark, Charles Eugene, A.B. Rock Hill College 1914.....Scranton, Pa.
Cochran, George Gilfillan, Jr. (Junior Columbia College).....Brooklyn, N. Y.
Cohen, David M., B.S. C. C. N. Y. 1910.....New York City
Cohen, Morris, B.S. C. C. N. Y. 1912.....New York City
Coster, James Stanhope, A.B. Holy Cross 1914.....New York City
Crystal, Benjamin Herman, Phar.C. 1914.....Brooklyn, N. Y.
Currier, Gilman Sterling (Junior Columbia College).....New York City
Dawson, George Millard, B.S. 1914.....Denver, Colo.
Dinnerstein, Morris (Junior Columbia College).....New York City
Dooman, David Stoddard.....New York City
Ehlinger, Rancier Burt, B.S. A. & M. College of Texas....College Station, Texas
Ehrlich, David Ernst (Junior Columbia College).....Brooklyn, N. Y.
Finkle, Oscar George, Jr.....Bolton Landing, N. Y.
Finkle, Philip (Junior Columbia College).....Brooklyn, N. Y.
Fischer, Henry Sall (Junior Columbia College).....Brooklyn, N. Y.
Fletcher, Henry Daniel.....Brooklyn, N. Y.
Flowers, Hiland Lee (Junior Columbia College).....New York City
Gobel, Edward Aloysius, A.B. Fordham 1914.....New York City
Goldberg, Simon Paul.....New York City
Goldman, Harry.....Long Island City, N. Y.
Goldstein, Joseph, Phar.C. 1914.....New York City
Goodchild, Franklin Myers, B.S. Stetson Univ. 1914.....New York City
Gorsch, Rudolph V., A.B. New York Univ. 1911.....New York City
Grosvenor, Robert.....Newport, R. I.
Guldner, Rene, A.B. Zabern College 1908.....New York City
Gwathmey, William Riddle.....Nashville, Tenn.
Halbert, Herbert Lynn, B.S. Hobart 1913.....Geneva, N. Y.
Hamilton, Charles Edward (Junior Columbia College).....Brooklyn, N. Y.
Harrison, Elake.....Middlesboro, Ky.
Hebald, Selian.....New York City
Herrmann, Adolf Friedrich, Ph.D. Kiel 1908.....New York City
Heslin, William Francis, Jr., A.B. Fordham 1913.....Brooklyn, N. Y.
Hetzel, Frederick Craft, B.S. Penn. College 1913.....Connellsville, Pa.
Hirshfeld, Samuel.....New York City
Howkins, John Smallbrook.....Savannah, Ga.
Howley, Clarence Payne, A.B. Fordham 1914.....New York City
Hudson, Paul Lovejoy.....Atlanta, Ga.
Hughes, James Goodrich, Jr., A.B. Randolph Macon 1913, A.M. Princeton 1914
.....Ashland, Va.
Ill, Carl Haller, B.S. Princeton 1914.....Newark, N. J.
Kelly, Thomas Dennis, A.B. Manhattan 1914.....New York City
Kramer, Rudolph, B.S. C. C. N. Y. 1914.....New York City
Layton, Samuel Gilliland, A.B. Wofford 1914.....Union, S. C.
Lazerson, Morris, A.B. Univ. of Rochester 1913.....Rochester, N. Y.
Lehman, Edward, A.B. 1914.....New York City
Lester, Charles Willard, A.B. Williams 1914.....Saratoga Springs, N. Y.
Levi, Harold Robert.....Rochester, N. Y.
Levine, Morris Herman, Phar.C. 1914.....New York City
Levinsky, Aaron (Junior Columbia College).....New York City

Luce, Hallock, Jr., A.B. Amherst 1914.....Riverhead, N. Y.
Maclaire, Aaron S.....New York City
Magna, Clamor Henry, Jr.....Brooklyn, N. Y.
Mango, Lewis Vincent, Phar.C. 1914.....New York City
Manheim, Sigmund, B.S. Princeton 1914.....Newark, N. J.
Manne, Alexander.....Brooklyn, N. Y.
Martus, Jerome Henry, Phar.C. 1914.....New York City
Maupin, Jere Gibson, B.L. Fordham 1910.....New York City
Maynard, Edwin Post, Jr., A.B. Williams 1914.....Brooklyn, N. Y.
Morris, Solomon A., Phar.C. 1911.....New York City
Morris, William (Junior Columbia College).....Brooklyn, N. Y.
Muehleck, George Ernest, A.B. Princeton 1914.....Hoboken, N. J.
Muzante, Joseph Bernard.....Glencove, N. J.
Naumer, Harry August (Junior Columbia College).....Brooklyn, N. Y.
Neagle, Alexander Hill, A.B. Williams 1912.....Elmira, N. Y.
Nolan, John Lewis Leo.....Brooklyn, N. Y.
Norton, James Francis, A.B. St. Peters College 1914.....Jersey City, N. J.
Nussbaum, Sydney, B.S. C. C. N. Y. 1914.....Brooklyn, N. Y.
Olsan, Ira Mortimer, B.S. Univ. of Rochester 1914.....Rochester, N. Y.
Omalley, Columbus Ambrose (Junior Columbia College).....Yonkers, N. Y.
O'Neil, Francis Joseph.....New York City
Orr, Frank Brock.....Newnan, Ga.
Palinsky, Max.....Brooklyn, N. Y.
Pasachoff, Harry David.....New York City
Penfield, Wilder Graves, Litt.B. Princeton 1913.....Hudson, Wis.
Perkins, John Richard (Senior Columbia College).....Greenwich, Conn.
Pierson, Richard Norris, A.B. Princeton 1914.....Stamford, Conn.
Potter, Philip Childs, A.B. Williams 1914.....Spuyten Duyvil, N. Y.
Quigley, Thomas Edward.....Canandaigua, N. Y.
Quinn, John Michael.....Richmond Hill, N. Y.
Rado, Henry Rudolph (Junior Columbia College).....Mt. Vernon, N. Y.
Reynolds, John Boteson.....Richmond Hill, N. Y.
Richard, Edward Karl (Senior Columbia College).....New York City
Ritter, Isidore, Phar.C. 1914.....New York City
Robbin, Lewis, Ph.B. Lafayette 1914.....Steelton, Pa.
Roberts, Charles Kingsley, Ph.B. Yale 1914.....New York City
Rochwell, Robert Lockerbie.....Cincinnati, Ohio
Rosenzweig, Max.....Kenoza Lake, N. Y.
Rubin, Henry Samuel (Junior Columbia College).....Bayonne, N. J.
Schachter, M. Frank, B.S., A.M. Columbia.....Brooklyn, N. Y.
Schoonover, Frank Sackett, Jr.....Rochester, N. Y.
Seehm-Simanovsky, Arsenius.....New York City
Shepard, Lorrin Andrews, A.B. Yale 1914.....East Orange. N. J.
Sheppard, Thomas Trovillo, A.B. Yale 1914.....Pittsburgh, Pa.
Sherburne, John 2nd.....Amsterdam, N. Y.
Sobel, Nathan.....New York City
Speer, John Lang, B.S. Lafayette 1914.....Vandergrift, Pa.
Spencer, Frank Daniel, B.S. Utah Agr. College 1913.....Salt Lake City, Utah
Steinhoff, Karl Ludwig, A.B. C. C. N. Y. 1913.....New York City
Steinman, Isidore, Phar.C. 1913.....New York City
Stephenson, Robert Abram Bernard (Junior Columbia College)..New York City
Stillman, William A.....New York City
Stuart, Harold Coe, Litt.B. Princeton 1914.....New York City
Tenopyr, Ottokar (Senior Columbia College).....Brooklyn, N. Y.
Todd, Warwick Hanford (Junior Columbia College).....Dobbs Ferry, N. Y.
Tooker, Harold Clifton, Ph.B. Brown 1913.....Larchmount, N. Y.

TRITSCHETT, SAMUEL SEYMOUR (Junior Columbia College).....New York City
VAN GAASBEEK, HAROLD (Junior Columbia College).....New York City
WALSH, HENRY VICTOR, A.B. Fordham 1914.....New York City
WANDERMAN, SIMON SAMUEL, Phar.C. 1914.....New York City
WATSON, RICHARD GWYNN, A.B. Univ. of Oregon 1914.....Eugene, Oregon
WEBER, JOHN WILLIAM, A.B. St. John's College 1913.....Cape Girardeau, Mo.
WEINTRAUB, SYDNEY.....New York City
WEISSENBORN, HENRY CHRISTIAN (Junior Columbia College).....Brooklyn, N. Y.
WIRKLICH, HARRY WILLIAM, Phar.Ch. 1914.....New York City
WISE, SAM.....Astoria, Oregon
YEATON, WILLIAM LEVETT.....Hoboken, N. J.
ZIEGLER, JEROME MARTIN, A.B. C. C. N. Y. 1914.....New York City

First Year—Class of 1918	107
Juniors and Seniors from Columbia College	25
	132
Fourth Year—Class of 1915	86
Third Year—Class of 1916	71
Second Year—Class of 1917	75
First Year—Class of 1918	107
	339
Juniors and Seniors from Columbia College	42
	381
Special Students	34
Total	415

THE SCHOOLS OF MINES, ENGINEERING, AND CHEMISTRY

Faculty

President BUTLER

Dean GOETZE

Professors ARENDT, BEANS, BERKEY, BLANCHARD, BOGERT, BURNSIDE, BURR, CAMPBELL, CURTIS, DAVIS, FISKE, FITE, FREAS, GRABAU, HALL, HARRINGTON, HAWKES, JACKSON (D.D.), [1]JACOBY, JONES, (*Secretary*), KEMP, KERN, KEYSER, [1]KURTZ, LOVELL, LUCKE, LUQUER, MACLAY, [2]MAYER, METZGER, MEYLAN, MILLER, MORECROFT, MORGAN (J. L. R.), MOSES, MUNROE, NORSWORTHY, PARR, PEELE, PEGRAM, PRESTON, PUPIN, RAUTENSTRAUCH, SCHROEDER, SHERMAN (H. C.), SLICHTER, SMITH (ALEXANDER), THOMAS, THURSTON, TUCKER, [2]WALKER, WENDELL, WHITAKER, WILLS, ZANETTI

Committee

COMMITTEE ON INSTRUCTION: The Dean (*Chairman*), Professors KEMP, LOVELL, MAYER, MUNROE, SLICHTER, WENDELL, and WHITAKER.

Delegates to the University Council (see page 5)

Courses

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

THE SCHOOL OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, leading to the degrees of Civil Engineer, Electrical Engineer and Mechanical Engineer, respectively.

THE SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

The courses are intended to meet the requirements of the several professions indicated; and many of them permit a certain amount of specialization, particularly in the fourth year.

Candidates for a professional degree who have some special end in view are sometimes permitted to vary the regular course by substituting other courses offered under the Faculty of Applied Science. Students holding an academic degree and the corresponding engineering degree may offer work in one or more of these branches of technology either as a major or a minor subject for the degree of Master of Arts or Doctor of Philosophy under the Faculty of Pure Science and will be given opportunity for special study and investigation.

[1] Absent on leave 1914–1915 [2] Absent on leave first half-year

All applicants for admission must present satisfactory evidence of good moral character.

Applicants must have completed at least three years of college work including advanced courses in Mathematics (through calculus), Chemistry and Physics; besides courses in English, Modern Languages, History and Political Science, Mineralogy and Surveying. A three years course especially designed for prospective students in the Schools of Mines, Engineering and Chemistry is provided in Columbia College (See page 204).

Candidates who expect to do their preliminary college work elsewhere are urged to obtain advice through the Committee on Admissions, regarding the selection of the college courses which are to be offered in fulfilment of the requirements in Mathematics, Physics and Chemistry.

Advanced Standing

It is frequently possible for graduates of colleges and scientific schools to enter Columbia University with advanced standing and to complete the requirements for a degree without undue delay through conflicts and other causes. It is very desirable, however, that students in other colleges who are planning to take professional work after graduation should get into correspondence with the University as early as possible. If this is done they may receive advice with regard to the most advantageous collegiate subjects to elect, and also with regard to the summer courses of Columbia University. By taking certain summer work at the University in advance, a student sometimes may save six months or a year in entering upon his professional career.

Candidates for admission to advanced standing should make application in writing to the Chairman of the Committee on Undergraduate Admissions in time to reach him before September 1, 1915.[1] The application must be accompanied by properly certified official statements of his standing in the subjects which he offers.

The Committee notifies the candidate at the address given in his letter, between September 7 and 15, what courses, of those offered, are accepted as equivalent to courses at Columbia University. In general, the Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate should present himself at regular fall examinations during the two weeks immediately preceding the opening of the University in September. For courses in which no regular fall examination is held, the candidate should report at the office of the Dean. The schedule of fall examinations may be obtained from the Registrar. A fee of $5 is charged for these examinations, to all applicants who do not take them at the regular time.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

[1] When a candidate is at a considerable distance from the University, his application should be made as early as possible in order that he may receive the reply in time to present himself at the University on September 15, 1915.

It is suggested that candidates who desire to make up first- and second-year subjects arrange to take courses in them in the Summer Sessions of Columbia University, beginning in July, the current Announcement of which will be sent upon application to the Secretary of the University.

Special Courses

Graduates of the Schools of Mines, Engineering, and Chemistry, and of other institutions of equal grade may pursue any subjects taught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others.

REGISTRATION AND FEES (see page 56)

FELLOWSHIPS AND SCHOLARSHIPS (see page 473)

New Requirement

Beginning with the year 1914, the curriculum of the Schools of Mines, Engineering and Chemistry will be reorganized and the requirement for admission will be increased. Three years of specialized professional study will be offered leading to the several technical degrees granted in the Schools of Mines, Engineering and Chemistry. The requirements for admission to these schools will be the completion of at least three years of a college or scientific school course including thorough instruction in Mathematics, Physics, Chemistry, and, in addition, certain courses in Drafting, and Mineralogy.

As a suitable preparation for this advanced work, a new course has been organized in Columbia College, leading to the degree of B.S. Half of the student's time is given to thorough sequential work in Mathematics, Physics, Chemistry. Most of the remainder is devoted to courses in English, the Modern Languages, History, Philosophy, and the Political Sciences, and there is some special work in Drafting, etc., prerequisite to the professional programs. This course is so arranged that a well-prepared student should be able to complete it without undue strain in three years. A student who enters college at the normal age would, therefore, be able to complete the preliminary college course and the three years' professional course by the age of 23.

Rules

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

3. A student will be permitted to substitute one subject for another provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. No student shall be

exempt from this regulation except by action of the Committee on Instruction.

5. After examinations have been held, officers shall report to the Registrar the standing of all students who have attended their courses, in terms of the letters A, B, C, D, and F; A, B and C to be passing grades, D signifying a deficiency removable by reexamination, and F a complete failure. Reports of standing will be sent to second-year students every five weeks, and to third- and fourth-year students at the end of each term. Copies of all reports are at the same time sent to the Dean, to the Faculty adviser, and in the case of second-year students, to the parent or guardian. They will be sent to the parent of guardian of third- and fourth-year students only on request.

6. Regular examinations shall be held at the end of the first half-year and at the end of the second half-year in all subjects offered during those respective periods. An examination may be held at the completion of any subject which does not extend throughout the given half-year.

7. Special examinations for students deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the fourth class in subjects belonging to that year only, during the first week in May.

Students who have been debarred and students who have received a grade of F either during the regular term or in the Summer Session are excluded from such examinations in accordance with the terms of the following rule:

Any student who shall have been debarred from or shall have received a grade of F in any midyear or final examination or in the Summer Session in any subject shall not be allowed to take a deficiency or make-up examination in said subject until he shall have repeated said course in class.

8. Failure to pass a Summer Session course, credit for which would be accepted as equivalent to a regular undergraduate course in the Schools of Mines, Engineering and Chemistry, shall be counted, in case a student registers for said course, as one of the three failures referred to in Rule 10.

9. The fee for special examinations is $5 for each course, which must be paid when the application is made. For special examinations in the September series the maximum fee is $25.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under Rule 7.

Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he may be dropped from the roll of the school.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. No student having an entrance deficiency shall be permitted to register for any subject of the second, third, or fourth year without the written consent of the Dean, and no student shall be permitted to register for any subject, the prerequisites for which have not been satisfied by him unless the Dean, for reasons of weight, grants him special permission.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the professional courses in the Schools of Mines, Engineering and Chemistry, will not be required to pursue that subject a second time.

14. During vacations following the close of each year, memoirs on assigned subjects must be prepared by the students in the courses of Mining, Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry. The time specified for the completion and handing in of memoirs will be as stated in the respective departmental announcements.

A student failing to hand in his memoir, drawings, or other summer work at the time specified by the department in which he is registered shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of $5, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required for his degree, provided such attendance does not interfere with his regular work. He must fulfil all the requirements exacted from regular students in such course.

Application for each special examination, except as provided below, must be filed at the office of the Registrar at least one week before the examination is to be taken, and in September and May at least one week before the first day of the respective examination period (in 1914–15 not later than Monday, September 7, and Saturday, April 24, respectively). For later application an additional fee of $5 for any examination or series of examinations will be charged. Applications must be made on blanks (one for each course) to be obtained from the Registrar.

Equipment

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows: **Chemistry,** page 87. **Civil and Sanitary Engineering,** page 93. **Electrical Engineering,** page 119. **Geology,** page 128. **Mechanical Engineering,** page 152. **Metallurgy,** page 153. **Mineralogy,** page 156. **Mining,** page 157. **Physics,** page 176.

SUMMARY OF PROFESSIONAL COURSES OF STUDY

NOTE: Detailed tabular arrangements of each year of these courses will be found in the current *Announcement of the Schools of Mines, Engineering, and Chemistry.* (See also Departmental Statements, pages 71–194.)

MINING ENGINEERING

The present course leading to the degree of Engineer of Mines is intended primarily to train men to undertake the development of mineral properties, the design and construction of mine plants, and to manage mines. The course includes training in metallurgy. It is necessarily a broad one, comprising a wide range of studies in pure and applied science, and for this reason is frequently taken by students desiring a general scientific training.

The subjects most emphasized in this course are mining, metallurgy, geology, and engineering.

Metallurgy requires knowledge of inorganic and applied chemistry, qualitative and quantitative analysis, and assaying.

Geology must carry with it preliminary training in crystallography, mineralogy, and petrography.

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Civil Eng. **23**	2	3	Civil Eng. **53**	5	3	Elect. Eng. **75**	1	3
Drafting **7**		3	Civil Eng. **53**		3	Geology **101**		
Geology **5**	3		Geology **105**	3		Mech. Eng. **17**	2	
Mathematics **65**	5		Mech. Eng. **13**	3		Metallurgy **101**, **111**	3	
Mineralogy **1**	3	6	Metallurgy **81**	2	9	Metallurgy **131**, **141**	2	
Phys. Educ. **B**		2	Mining **51**	3		Mining **71**	3	
Physics **5**	5					Mining **73**	1	
						Mining **75**		12
						Mining **81**	4	
						Mining **91**	2	
Total hours	18	14		16	15		18	15
Second Half-Year								
Chemistry **66**	3	12	Civil Eng. **54**		3	Civil Eng. **76**	2	
Chemistry **82**	3		Civil Eng. **64**	1	3	Geology **16**		
Elect. Eng. **2**	2		Elect. Eng. **4**	2		Geology **102**		
Geology **6**	3		Elect. Eng. **72**	1	3	Geology **110**	2	
Mechanics **102**	5		Geology **4**		3	Mech. Eng. **74**	2	
Mineralogy **2**	3	3	Geology **106**	3		Metallurgy **72**		2
Phys. Educ. **B**		2	Mech. Eng. **14**	3		Metallurgy **122**	3	
			Mech. Eng. **80**	1	3	Mining **56**	3	
			Mineralogy **6**		3	Mining **72**	3	
			Mining **52**	2		Mining **78**		12
			Mining **54**	3		Mining **80**	1	
						Mining **82**		3
						Mining **94**	2	
Total hours	19	17		16	18		18	17

For significance of course numbers see page 71.

[1] Summer work: Civil Engineering **27s** and **28s** (eight weeks).
[2] Summer work: Field work, Mining, Metallurgy, and Geology (nine weeks).

Engineering in all its branches needs a fundamental knowledge of mathematics, physics, mechanics, and thermodynamics. The proper design and construction of mining plants involve the study of certain branches of civil engineering, and the many and increasing applications of machinery to mining make it necessary to give much time to the theory and practice of mechanical and electrical engineering.

METALLURGICAL ENGINEERING

This course is intended for those who expect to follow metallurgical work and become trained metallurgists in any of the branches of the profession. For the first two years much attention is paid to a thorough training in fundamental subjects, especially in mathematics, chemistry, physics, geology, mineralogy, and preliminary courses in engineering. In the third year instruction in metallurgy begins both by lectures and in the laboratories, while courses in engineering, especially mechanical

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Civil Eng. **23**	2	3	Civil Eng. **63**	5	6	Chemistry **121**	3	
Drafting **7**		3	Geology **105**	3		Elect. Eng. **76**	1	3
Geology **5**	3		Mech. Eng. **13**	3		Mech. Eng. **17**	2	
Mathematics **65**	5		Metallurgy **81**	2	9	Metallurgy **77**		3
Mineralogy **7**	3	3	Metallurgy **101**	1		Metallurgy **131**	1	
Phys. Educ. **B**		2	Metallurgy **111**	2		Metallurgy **141**	1	
Physics **5**	5					Metallurgy **151**	2	
Physics **43**		6				Metallurgy **171**		9
						Metallurgy **176**	1	
						Mining **73**	1	
						Mining **81**	4	
						Mining **91**	2	
Total hours	18	17		16	15		18	15
Second Half-Year								
Chemistry **66**	3	12	Civil Eng. **64**	1	3	Chemistry **122**	3	
Chemistry **82**	3		Civil Eng. **78**	2		Mech. Eng. **72**	2	3
Elect. Eng. **2**	2		Elect. Eng. **72**	1	3	Mech. Eng. **76**	1	3
Geology **6**	3		Elect. Eng. **104**	2		Metallurgy **118**	1	
Mechanics **102**	5		Geology **4**		3	Metallurgy **128**	1	
Mineralogy **8**	3	3	Geology **106**	3		Metallurgy **138**	1	
Phys. Educ. **B**		2	Mech. Eng. **14**	3		Metallurgy **148**	1	
			Mech. Eng. **60**		3	Metallurgy **168**	1	
			Metallurgy **122**	3		Metallurgy **172**		6
			Mineralogy **6**		3	Mining **80**	1	
			Mining **54**	3		Mining **82**		3
						Mining **94**	2	
Total hours	19	17		18	15		14	15

For significance of course numbers see page 71.

[1] Summer courses: Civil Engineering **27s** (five weeks); Civil Engineering **28s** (three weeks).

[2] Summer courses: Metallurgy **66s** (three weeks); Metallurgy **64s** (three weeks); Geology **112s** (one week).

engineering, chemistry, and geology, are also provided for. The fourth year is devoted largely to advanced courses in metallurgy and great stress is laid on giving, by laboratory work, familiarity with difficult high-temperature conditions of metallurgy, skill in microscopy and pyrometry, and training in execution and in the interpretation of the results developed. At the same time attention is devoted to the higher branches of engineering and chemistry and to important courses in mining engineering which are considered necessary.

In the summer schools, carefully arranged courses in general surveying, in railroad work, geological field work, and visits to metallurgical works are provided for. In the six weeks' summer courses at metallurgical works, the students are required to carefully study processes, make dimensioned sketches of furnaces and mills, and by observation and instruction, are given a thorough understanding of metallurgical operations as conducted at the present time.

CIVIL ENGINEERING

The courses of study given in the Department of Civil Engineering are so formulated as to constitute broad educational training of a profes-

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Botany **7**	1	3	Astronomy **105**	3		Civil Eng. **75**	3	
Drafting **5**		3	Civil Eng. **21**	1		Civil Eng. **85**	2	
Mathematics **65**	5		Civil Eng. **51**	2	3	Civil Eng. **87**	2	3
Mech. Eng. **13**	3		Civil Eng. **53**	5	3	Civil Eng. **89**	3	3
Mineralogy **5**	2	3	Civil Eng. **53**		3	Civil Eng. **97**	3	
Mining **53**	2		Civil Eng. **59**	2		Civil Eng. **99**	2	
Phys. Educ. **B**		2	Civil Eng. **61**	2	3	Elect. Eng. **5**	1	
Physics **5**	5		Mech. Eng. **17**	2		Elect. Eng. **75**	1	3
Physics **43**		3	Mech. Eng. **77**	1	3	Mech. Eng. **41**	1	3
Shopwork **15**		3				Mech. Eng. **63**		3
Total hours	18	17		18	15		18	15
Second Half-Year								
Chemistry **82**	3		Astronomy **106**	1	3	Civil Eng. **88**	2	3
Drafting **6**		3	Civil Eng. **52**	3	3	Civil Eng. **90**	3	3
Drafting **8**		6	Civil Eng. **54**		3	Civil Eng. **94**	2	
Elect. Eng. **2**	2		Civil Eng. **58**	3	3	Civil Eng. **100**	3	3
Geology **18**	3	*3	Civil Eng. **62**	2	3	Elect. Eng. **112**	2	3
Mech. Eng. **14**	3		Elect. Eng. **4**	2		Law **2**	2	
Mechanics **102**	5		Elect. Eng. **72**	1	3	Mech. Eng. **46**	3	
Metallurgy **134**	2		Mech. Eng. **18**	2				
Phys. Educ. **B**		2	Mech. Eng. **78**	3				
Physics **44**		3						
Shopwork **16**		3						
Total hours	18	18		17	18		17	12

For significance of course numbers see page 71.
*Saturday afternoon during April and May, equivalent 1 hour.
[1] Summer work: Civil Engineering **25s** (five weeks).
[2] Summer work: Civil Engineering **26s**; Astronomy **107s** (five weeks); Civil Engineering **71s** (four weeks).

sional character for students intending to follow the practice of civil engineering or such other affiliated callings as may be based more or less upon the various branches of civil engineering. These courses of study can be taken more advantageously if the student has had a preliminary general training equivalent to that of an ordinary college course, although that condition is not a requisite. Through these courses of study there is set forth a thorough grounding in the fundamental principles of engineering science as the first essential, supplemented, however, by constant exercises in the application of those fundamental principles to all the operations of the civil engineer, involving structures, machines, and processes connected with the adaptation and transmission of power for industrial and other purposes.

SANITARY ENGINEERING

The course in Sanitary Engineering is a differentiation from the regular course in Civil Engineering and leads to the same degree. The second year is almost identical with the regular second-year work of the course in Civil Engineering. The special extensions in sanitary work are de-

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Botany 7	1	3	Chemistry 41	2		Chemistry 179	1	6
Chemistry 65	2	6	Chemistry 79	2	6	Civil Eng. 57*a* }	2	
Drafting 5		3	Civil Eng. 21	1		Civil Eng. 57*b* }		
Mathematics 65	5		Civil Eng. 51	2	3	Civil Eng. 75	3	
Mech. Eng. 13	3		Civil Eng. 53	5	3	Civil Eng. 85	2	
Mineralogy 5	2	3	Civil Eng. 53		3	Civil Eng. 87	2	3
Phys. Educ. B		2	Civil Eng. 59	2		Civil Eng. 89	3	3
Physics 5	5		Civil Eng. 61	2	3	Civil Eng. 97	3	
Physics 43		3				Mech. Eng. 17	2	
						Mech. Eng. 63		3
Total hours	18	20		16	18		18	15
Second Half-Year								
Chemistry 76		3	Chemistry 78	2	3	Chemistry 180 or	1	6
Chemistry 82	3		Civil Eng. 52	3	3	Civil Eng. 90	3	3
Drafting 8		6	Civil Eng. 54		3	Civil Eng. 94	2	
Elect. Eng. 2	2		Civil Eng. 58	3	3	Civil Eng. 96	3	
Geology 18	3	*3	Civil Eng. 62	2	3	Civil Eng. 100		6
Mechanics 102	5		Elect. Eng. 4	2		Elect. Eng. 75	1	3
Mech. Eng. 14	3		Elect. Eng. 72	1	3	Law 2	2	
Metallurgy 134	2		Mech. Eng. 78	3		Mech. Eng. 76	1	3
Phys. Educ. B		2				Mech. Eng. 82	2	
Physics 44		3						
Shopwork 16		3						
Total hours	18	18		16	18		14 or 12	15 or 18

For significance of course numbers see page 71

*April and May—Geology, equivalent to 1 hour.

[1] Summer work: Civil Engineering **25s** (five weeks).

[2] Summer work: Civil Engineering **26s** (five weeks); Civil Engineering **71s** (four weeks).

veloped in the third and fourth years. It will be found that these sanitary subjects are set forth so as to cover in a thorough and comprehensive way those special fields occupied by the sanitary engineer of the present day. They include the sanitary treatment of water supplies and sewage with special work extended both by lectures and laboratory work into biology and bacteriology standard laboratory methods in the sanitary administration of public water supplies, drainage, heating, and ventilation, and the general principles of sanitary science, public health, and hygiene. These sanitary specialties are of advanced character, covering the latest investigations in such special work as daily bacterial tests of potable water for public purposes, the extermination of mosquitoes and other disease-carrying insects, the improvement of public health conditions found in cities and towns, the drainage and sanitary treatment of lands and the sanitary administration of buildings and industrial establishments liable to create nuisances. A graduate, therefore, of this course is qualified to enter the advanced practice of sanitary engineering in all its special fields.

ELECTRICAL ENGINEERING

The objects for which the four-year course in Electrical Engineering is designed and the education which it is intended to give are fully set forth in the current *Announcement of the Schools of Mines, Engineering and Chemistry.*

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Chemistry **65**	2	6	Civil Eng. **53**	5	3	Chemistry **183**	2	3
Drafting **5**		3	Civil Eng. **53**		3	Elect. Eng. **103**	3	
Mathematics **65**	5		Civil Eng. **77**	2		Elect. Eng. **105**	3	
Mech. Eng. **13**	3		Elect. Eng. **101**	3		Elect. Eng. **109**	1	
Phys. Educ. **B**		2	Elect. Eng. **173**		6	Elect. Eng. **175**	1	6
Physics **5**	5		Mech. Eng. **17**	2		Elect. Eng. **177**	1	6
Physics **43**		3	Mech. Eng. **41**	1	3	Mech. Eng. **53**	2	
Physics **55**	2		Mechanics **105**	2		Mech. Eng. **77**	1	3
Shopwork **13**		3	Mechanics **107**	2		Mechanics **109**	4	
Total hours	17	17		17	15		18	18
Second Half-Year								
Chemistry **82**	3		Economics **2**	3		Elect. Eng. **54**	2	3
Drafting **6**		3	Elect. Eng. **52**	2	3	Elect. Eng. **98**		
Drafting **8**		6	Elect. Eng. **104**	3		Elect. Eng. **106**	2	
Elect. Eng. **2**	3		Elect. Eng. **174**	1	6	Elect. Eng. **108**	1	3
Mech. Eng. **14**	3		Mech. Eng. **18**	2		Elect. Eng. **110**	1	
Mechanics **102**	5		Mech. Eng. **36**		6	Elect. Eng. **112**	2	
Metallurgy **134**	2		Mech. Eng. **76**	1	3	Elect. Eng. **176**	1	6
Phys. Educ. **B**		2	Mechanics **108**	3		Mech. Eng. **56**	1	
Physics **44**		3				Mech. Eng. **60**		3
Shopwork **14**		3				Mech. Eng. **72**	2	3
						Mechanics **110**	3	
						Phys. **52**	1	
Total hours	16	17		15	18		16	18

For significance of course numbers see page 71.

[1] Summer memoir.

[2] Summer work: Summer memoir.

The first two years of the course are devoted to the fundamental subjects, including mathematics, physics, chemistry, mechanics, drawing, and certain electrical and mechanical engineering subjects which are elementary or introductory in character. These subjects are intended to lay a broad and substantial foundation upon which the more specialized professional instruction of the third and fourth years is based. Even in these later years theoretical subjects, such as thermodynamics and electrical theory, are included and given most careful attention.

MECHANICAL ENGINEERING

The first two years of this course are devoted to essential preparatory and fundamental subjects, mathematics, chemistry, physics, analytical mechanics, and drawing, which are coördinated with kinematics, elementary design, shopwork, and the elements of electrical and steam engineering. In the third year there are developed the basic principles of thermodynamics, resistance of materials, and hydraulics, which are fixed

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Drafting **7**		3	Civil Eng. **53**	5	3	Elect. Eng. **103**	2	
Mathematics **65**	5		Elect. Eng. **73**		3	Elect. Eng. **105**	2	
Mech. Eng. **11**	3		Elect. Eng. **101**	2		Mech. Eng. **19**	3	6
Mech. Eng. **35**		3	Mech. Eng. **17**	2		Mech. Eng. **21**	4	3
Mech. Eng. **59**	2	3	Mech. Eng. **31**	1	3	Mech. Eng. **25**	2	3
Phys. Educ. **B**		2	Mech. Eng. **39**	3	3	Mech. Eng. **33**	2	3
Physics **5**	5		Mechanics **105**	2		Mech. Eng. **45**	3	
Physics **43**		3	Shopwork **11**		6			
Shopwork **1**		6						
Total hours	15	20		15	18		18	15
Second Half-Year								
Chemistry **82**	3		Civil Eng. **54**		3	Economics **2**	3	
Elect. Eng. **2**	2		Civil Eng. **78**	2		Elect. Eng. **76**	1	3
Mech. Eng. **12**	3	3	Elect. Eng. **104**	3		Law **2**	2	
Mech. Eng. **36**		3	Mech. Eng. **18**	2		Mech. Eng. **20**	3	6
Mechanics **102**	5		Mech. Eng. **32**	1	3	Mech. Eng. **26**	2	6
Metallurgy **134**	2		Mech. Eng. **40**		9	Mech. Eng. **50**	3	
Phys. Educ. **B**		2	Mech. Eng. **54**	2		Mech. Eng. **52**	3	
Physics **44**		3	Mech. Eng. **64**	2				
Shopwork **2**		3	Mech. Eng. **66**	1				
Shopwork **12**		6	Mech. Eng. **70**	2				
			Mech. Eng. **60** / Metal. **156**	1	3			
Total hours	15	20		16	18		17	15

For significance of course numbers see page 71.

[1] Summer work: Shopwork **10s**, 125 hours in College shops; Mech. Eng. **94s**, six weeks' practical work in shops and drafting rooms of manufacturing establishments, with report: a total of nine weeks.

[2] Summer work: Mech. Eng. **96s** (six weeks' practical experience in power plant with report).

in the mind of the student by drill in the drafting room by design courses, in the laboratory by experiments and tests, and in class by analysis of standard mechanical and electrical machinery. The fourth year is devoted to a detailed treatment of gas and steam engine design, standard water turbine characters, and the essential relations between units constituting power plants and factories. Special attention is here paid to economics of mechanical engineering by courses in industrial law, economics, and works management. Throughout the course the aim is to develop clear conceptions of underlying principles, habits of independent thought and orderly mental procedure applicable to any sort of mechanical engineering problems rather than to the memorization of isolated facts. The training given not only fits the student to take up the design of machinery and the perfection of processes of doing things by mechanical means, but also ultimately to take a leading place in the management of the manufacturing and transportation industries.

CHEMICAL ENGINEERING

The course in chemical engineering as will be seen, is designed to educate chemists with a sufficient amount of engineering to fit them to take

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Chemistry **41**	2		Chemistry **49**	2	9	Chemistry **121**	3	
Chemistry **81**	3		Chemistry **83**	3		Chemistry **171**	2	6
Chemistry **163**	3	12	Chemistry **101**	2		Chemistry **197** }	5	
Mathematics **65**	5		Civil Eng. **53**	5	3	Mech. Eng. **97** }		
Mineralogy **15**		3	Mech. Eng. **11**	3		Mech. Eng. **17**	2	
Physics **5**	5		Mech. Eng. **59**	2	3	Mech. Eng. **37**	1	6
Physics **43**		3				Mech. Eng. **77**	1	3
Phys. Educ. **B**		2				Metallurgy **101, 111**	3	
						Metallurgy **131**	1	
Total hours	18	20		17	15		18	15
Second Half-Year								
Chemistry **42**	2		Chemistry **84**	3		Chemistry **88**		9
Chemistry **82**	3		Chemistry **102**	2		Chemistry **122**	3	3
Chemistry **164**	3	12	Civil Eng. **54**		3	Chemistry **184**	2	3
Elect. Eng. **2**	2		Civil Eng. **76**	2		Chemistry **198**	3	
Mechanics **102**	5		Elect. Eng. **4**	2		Mech. Eng. **18**	2	
Mineralogy **16**		3	Elect. Eng. **72**	1	3	Mech. Eng. **76**	1	3
Physics **44**		3	Law **2**	2		Metallurgy **122**	3	
Phys. Educ. **B**		2	Mech. Eng. **12**	3	3			
			Metallurgy **182**	2	6			
Total hours	15	20		17	15		14	18

For significance of course numbers see page 71.

[1] Summer work: Chemistry **80a**, 1 week; Shopwork **18a** (three weeks in June or July).

[2] Summer work: Chemistry **80b**, visits to industrial plants, 2 weeks; Chemical factory work with memoir (six weeks).

charge of chemical works which depend largely on the use of machinery. This requires a knowledge of mechanical engineering, electrical engineering, hydraulics, mechanical drawing, shopwork, etc., as well as a thorough knowledge of chemistry in all its branches.

The four-year course of instruction is designed for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges and scientific schools, after further preparation, or as chemists or research chemists in manufacturing and other industrial enterprises.

CHEMISTRY

The course in chemistry includes not only all branches of theoretical, analytical, and industrial chemistry, but also collateral sciences, such as mathematics, mechanics, physics, mineralogy, metallurgy, mechanical and electrical engineering, and drawing, which have been found by ex-

[1] SECOND YEAR			[2] THIRD YEAR			FOURTH YEAR		
First Half-Year								
Courses	Class	Lab.	Courses	Class	Lab.	Courses	Class	Lab.
Chemistry **41**	2		Chemistry **83**	3		Chemistry **43M**		12
Chemistry **81**	3		Chemistry **101**	2		Chemistry **89**		3
Chemistry **163**	3	12	Chemistry **121**	3	3	Chemistry **141**	3	
Mathematics **65**	5		Chemistry **171**	2	6	Chemistry **111**	4	
Mineralogy **15**		3	Chemistry **175**	2	6	Chemistry **153**		
Phys. Educ. **B**		2	Chemistry **183**	2	3	Chemistry **225**		
Physics **5**	5					Chemistry **255**		
Physics **43**		3				Metallurgy **101, 111**	3	
						Metallurgy **131**	1	
Total hours	18	20		14	18		11	15
Second Half-Year								
Chemistry **42**	2		Chemistry **84**	3		Chemistry **142**	3	
Chemistry **82**	3		Chemistry **88**		9	Metallurgy **122**	3	
Chemistry **164**	3	12	Chemistry **102**	2		*Thesis*—		
Elect. Eng. **2**	2		Chemistry **122**	3		Chemistry **112**		
Mechanics **102**	5		Chemistry **182**	2	6	Chemistry **154**		
Mineralogy **16**		3	Mineralogy **10**	2	3	Chemistry **218**		
Physics **44**		3				Chemistry **226**		
Phys. Educ. **B**		2				Chemistry **228**		15
						Chemistry **256**	4	
						Chemistry **258**		
						Chemistry **268**		
						Chemistry **278**		
						Chemistry **288**		
Total hours	15	20		12	18		10	15

For significance of course numbers see page 71.
[1] Summer work: Chemistry **80a**, memoir. [2] Summer work: Chemistry **80b**, memoir.

perience to be required by the professional chemist. It is the intention to provide the graduate not only with a thorough knowledge of the principles and practice of chemistry in all its branches, but with such a broad and liberal education in the collateral sciences as will prepare him for the demands that will be likely to be made upon him in connection with his profession or in the pursuit of investigation.

REGISTER OF STUDENTS

SCHOOLS OF MINES, ENGINEERING AND CHEMISTRY

FOURTH YEAR—CLASS OF 1915

Mining Engineering

Beatty, Russell Lawrence.....New York City
Bohlin, Howard Grenville.....Ridgefield Park, N. J.
Bonsib, Roy Samuel, A.B. 1910, A.M. 1911 Indiana.....Indianapolis, Ind.
Brandenburg, Harry.....New York City
Calder, Norman Lawrence.....Johannesburg, S. Africa
Coope, George Frederick.....Douglaston, N. Y.
Eyoub, Djevad, B.S. 1912.....Constantinople, Turkey
Federman, Samuel H.....New York City
MacCarthy, Charles Franklin.....Denver, Colo.
Mylius, Louis Aubrey, B.S. Dalhousie 1911.....Winnipeg, Manitoba
Margon, Solomon.....New York City
Maul, William F., B.S. 1914.....New York City
Nighman, Clare Edwin, B.S. 1913.....Bayonne, N. J
Page, George R., B.S.E.M. Penn State 1913.....Pittsburgh, Pa.
Pell, VanDyne.....New York City
Pineda, Rosendo.....Mexico City, Mexico
Stockley, Harold A., A.B. Univ. Michigan 1905.....New York City
Thomas, James Akin, Jr.....New York City
Welsh, Francis DeSales.....South Amboy, N. J.
Williams, Fred P., E. M. Univ. N. Dak. 1910.....Larimore, N. D.
Wright, Frederick Sylvester.....Belt, Mont.

Metallurgy

Alden, John Woods.....Newark, N. J.
Bissell, Robert Wilson, B.S.E.M. Univ. of Wash. 1912, E.M. A.M. 1914
.....Pittsburgh, Pa.
Blaut, Samuel Joseph.....New York City
Curwen, George Barr.....Salem, Mass.
Frankel, Samuel.....New York City
French, Herbert James.....New York City
George, Harry Leslie.....New York City
Howry, Hamilton Hubbard.....Denver, Colo.
Quinn, Herman.....Great Neck Station, N. Y.

Civil Engineering

Atkinson, Guy.....New York City
Belknap, Benjamin Harold.....Leonia, N. J.
Carner, Samuel.....New York City
Cleary, C. Norman.....New York City
von Deesten, Arthur Peter.....New York City
Edebohls, Frank Edward.....New York City
Fuhrer, Oscar Arpad.....New York City
Goldman, Morris Robert.....New York City

GREENLEAF, DONALD LEAL, A.B. Williams 1912 ..... Orange, N. J.
HOLLMANN, RICHARD FILSNER, B.S. 1914 ..... New York City
JOVESHOF, ARTHUR ..... New York City
KANNENGIESER, MAX ..... New York City
KNOPF, SAMUEL H ..... New York City
KRAUS, WALTER F ..... New York City
LAGUARDIA, GIOVANNI B ..... New York City
LEVY, JULIUS ..... New York City
MCKENNA, JOHN ARTHUR, JR ..... Westbury, N. Y.
MURRAY, EDWARD WILLIAM ..... New York City
O'REILLY, WILLIAM T ..... New York City
PECK, JOHN SANFORD ..... New York City
PICCIRILLI, PASQUALE JOSEPH ..... New York City
RAABIN, HERMAN DAVID ..... New York City
ROSALSKY, MURRAY DAVID, B.S. C.C. N.Y. 1911 ..... New York City
SCALES, SAMUEL BREWSTER ..... Jersey City, N. J.
SCHUMANN, CHARLES HENRY, JR ..... New York City
SCHWARTZ, ABRAHAM ..... New York City
SIMMONDS, FRANK HOMER ..... Yonkers, N. Y.
STEVENS, CLARENCE ELLSWORTH ..... Newark, N. J.
WEYANT, JOHN AUGUSTUS ..... Yorktown P. O., N. Y.
WILLIAMSON, ROBERT GORDON ..... Greenwich, Conn.

ELECTRICAL ENGINEERING

BALMFORD, J. ARTHUR ..... New York City
BLANCHARD, DONALD D ..... New York City
DICKIE, DOUGLAS PERRY, A.B. 1913 ..... New York City
ERNST, MONTROSE ..... New York City
FAILLA, GIOACCHINO ..... New York City
HAMDI, ABDULLAH FEYZI ..... Constantinople, Turkey
JAQUES, SANFORD, A.B. 1913 ..... New York City
MÜLLER, CHARLES ALBERT ..... Hawthorne, N. Y.
MULLER, RICHARD F. A ..... Brussels, Belgium
REID, WILLIAM EGLINTON ..... New York City
RICE, ISAAC LEOPOLD, JR ..... New York City
SMITH, IRVING DAVID, B.S. 1913 ..... New York City
SMITH, STANLEY WATSON ..... New York City
VON SOTHEN, CARL ERNEST HERMAN ..... College Point, N. Y.
STONE, CLARENCE GEORGE, JR ..... Mt. Vernon, N. Y.
WATTERS, ARTHUR C ..... Taunton, Mass.
WOOLFOLK, ROPER BLACKERBY, A.B. Randolph-Macon 1911 ..... Ashland, Va.

MECHANICAL ENGINEERING

ALLEN, HAROLD FELTON ..... Washington, D. C.
BARNABY, RALPH STANTON ..... New Brighton, N. Y.
BARTLETT, JOHN HOWARD 3RD ..... Orange, N. J.
BLEECKER, ANTHONY LISPENARD ..... New York City
CAMPBELL, HAROLD ANDREW, B.S. Dartmouth ..... St. Albans, Vt.
CRAMP, ARNOLD P ..... New York City
EICHENBERG, MARK A ..... New York City
FRIEDRICH, PAUL ERNEST ..... New York City
GARDNER, EDWARD MERRILL ..... New York City
GARRISON, WYCKOFF LAWRENCE, B.S. Dartmouth ..... New York City
GORDON, WILLIAM EDWARD ..... New York City
HAWE, KARL WHITTINGTON ..... Belvidere, N. J.
HINE, RUSSELL CURTIS ..... Cornwall, N. Y.

Johnson, James Wendell.....Oswego, N. Y.
King, Harold Beckwith.....Sound Beach, Conn.
Lacazette, Alfred A., C. E. Cornell 1913.....Havana, Cuba
Lauber, Hubert Crow.....Baltimore, Md.
Peltz, Gordon Milligan.....Elmhurst, N. Y.
Rayens, Charles Erwin.....New York City
Roché, Jean Albert.....New York City
Roland, Percy William.....New York City
Rotkowitz, Harry Solomon, A.B. C. C. N. Y. 1912.....New York City
Spalding, Samuel Clyde.....New Rochelle, N. Y.
Stork, Wilford L., B.S. C.C. N. Y. 1912.....Jersey City, N. J.
Welling, Lindsay Howe.....New York City
White, Wallace, A.B. 1913.....Pelham, N. Y.
Zavidovich, Morris Moses.....New York City

Sanitary Engineering

Buncke, Harry Jacob.....Whitestone, N. Y.
Donnelly, Richard V.....New York City
Greenburg, Leonard.....New York City
Mechanic, Jacob.....New York City
Millman, Isidor Samuel.....New York City
Montgomery, Philip O'Bryan.....Elizabethtown, Ky.
Olmsted, Clarence Edward.....Los Angeles, Calif.
Paddock, Eugene Hiram, A.B. 1912.....New York City
Pincus, Sol, B.S. 1913.....New York City
Wohlgemuth, Maurice William.....New York City

Chemical Engineering

Altenberg, Leo.....New York City
Bodziner, Joseph.....New York City
Brophy, William Edward.....Yonkers, N. Y.
Elias, Nathan M.....New York City
Esser, Alvah Ernest.....Yonkers, N. Y.
Glimm, William Frederick, Jr.....Jersey City, N. J.
Hartig, Siegfried H., B.S. 1912.....New York City
Henderson, Harold Gould, Jr., B.A. 1910.....New York City
Hirsch, Irving.....Newark, N. J.
Mueser, Emil.....New York City
Penfield, Richard Gustavus.....New York City
Schwarz, Maurice Wessel.....New York City
Silliman, Halsey Ernest.....New York City
Sohon, Frederick Wyatt.....New York City
Springer, William Moore.....New York City
Stehlby, Ernest Theodore.....New Rochelle, N. Y.
Taylor, Theodore Clinton.....Mt. Vernon, N. Y.
Webster, James Clarence, A.B. Western Reserve 1912.....Cleveland, Ohio
Woodwell, Carolus Sylvester, B.S. 1912.....East Hampton, Conn.
Wurster, William Frederick.....New York City

Chemistry

Barnett, Abraham.....New York City
Gilbert, Frederick Boyé.....Flushing, N. Y.
Goldstein, Jacob Columbus.....New York City
Harwood, Harold Robert.....Tenafly, N. J.
Horton, Jefferson Allen.....New York City

FOURTH YEAR—CLASS OF 1915

Mining Engineering	21
Metallurgy	9
Civil Engineering	30
Sanitary Engineering	10
Electrical Engineering	17
Mechanical Engineering	27
Chemical Engineering	20
Chemistry	5
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THIRD YEAR—CLASS OF 1916

Mining Engineering

Anderson, Barclay G. ..... Berkeley, Calif.
Armstrong, James Andrew Bruce ..... New York City
Birkett, Howard ..... New York City
Bratton, W. Norman ..... Cordova, Alaska
Browning, P. Dewees, A.B. Bucknell 1904 ..... Philadelphia, Pa.
Cowan, William W ..... New York City
Fearn, Hewitt Onderdonk ..... Oyster Bay, N. Y.
Joseph, Paul E., B.S. Trinity (Conn.) 1913 ..... Melrose, Conn.
Kelleher, Cornelius ..... Yonkers, N. Y.
Kenvin, T. Bircharde ..... Gary, Ind.
Klein, Karl F ..... New York City
Klugescheid, Walter Peter ..... New York City
Kupferstein, Joseph Thomas ..... New York City
Livingston, William Smith, Jr ..... New York City
Milyko, Alexander ..... New York City
Ormsbee, Randall Holden ..... El Paso, Texas
Scholl, Louis A., Jr., B.S. Carnegie 1910 ..... Crafton, Pa.
Unger, Louis S ..... New York City
Webb, Torrey Hord ..... New York City
Wensley, Roger Lytle ..... New York City
Wormser, Felix Edgar ..... New York City

Metallurgy

Banks, Reggnald Marsh ..... New York City
Benson, Reynolds ..... New York City
Bleil, Clarence J ..... New York City
Cobden, Philip E ..... Larchmont, N. Y.
Kemp, James T., B.S. 1912 ..... New York City
Mandell, Ambrose J. E., B.S. 1914 ..... New York City

Civil Engineering

Ackerman, Rudolph William ..... Scarsdale, N. Y.
Arce, José M ..... Santo Domingo, Costa Rica
Block, Martin ..... New York City
van Buren, Maurice P., B.S. 1914 ..... New Brighton, N. Y.
Butler, Herbert Fuller ..... New Rochelle, N. Y.
Curry, Trumann Minor, Jr ..... New York City
Gladstein, Joseph ..... New York City
Groman, Solomon ..... New York City
Grossman, Herman ..... New York City
Kane, Daniel Coughlin ..... New York City
Lange, William ..... Tomkins Cove, N. Y.

de Lima, Marcello Francisco.....Sao Paulo, Brazil
McCoy, George T., A.B. Whitman 1913.....Walla Walla, Wash.
Moeller, Lewis Nicholas.....New York City
Naboshek, David.....New York City
Neiken, Mortimer L.....New York City
Nevitt, Henry Glavis.....New York City
Nyland, Fritz C., B.S. 1914.....Glen Ridge, N. J.
Phipps, Francis Harloe, B.S. 1914.....Mount Vernon, N. Y.
Posner, Harry, B.S. A. & M. 1911.....West Point, Miss.
Renard, Frederick Arthur.....New York City
Rockman, Alexander S.....New York City
Romeo, Donato.....New York City
Siegel, Milton.....New York City

Electrical Engineering

Barth, Ernest Albert, B.S. 1914.....New York City
Baxter, Channing Wheeler.....New York City
Bernstein, David Meyer.....New York City
Binder, Albert A.....Leonia, N. J.
Bischoff, Henry William.....New York City
Carroll, John Dudley, A.B. Johns Hopkins 1912.....Baltimore, Md.
Cowen, Edward A., A.B. Princeton 1913.....New York City
Curry, Walter August.....New York City
Gabriel, John Cecil.....New York City
Guterman, Herbert.....New York City
Healy, Francis C.....New York City
von Heimburg, Fred.....New York City
Myers, Oscar Blair.....New York City
Pascarella, Anthony Joseph.....Emerson, N. J.
Pinto, Anthony, B.E. Cooper 1907.....New York City
Shapiro, Lazarus, B.S. C. C. N. Y. 1914.....New York City
Smilari, Manlio A., B.S. C. C. N. Y. 1911.....New York City
Strieby, Maurice Edward, A.B. Colorado 1914.....Colorado Springs, Colo.
Taylor, Donald William.....New York City
Underhill, Edward M., B.S. 1914.....Fishkill, N. Y.

Mechanical Engineering

Barton, Victor Nathan.....Cedarhurst, N. Y.
Brizzolara, Robert.....New York City
Buckwald, Harry Milton.....New York City
Bunzl, Walter Gus.....New York City
Dowling, Lawrence.....New York City
Gleeson, John Maurice.....New York City
Greenwald, Louis.....New York City
Hanlon, Joseph T., A.B. Loyola 1912.....Baltimore, Md.
Harper, Philip Strickland.....Greenwich, Conn.
Henry, Alexander Stewart, Jr.....New York City
Howard, James Edward.....Rye, N. Y.
Jacobs, Henry Lawrence.....New York City
Jeanneret, André.....East Rutherford, N. J.
John, George Henry, Jr.....New York City
Johnson, S. Taylor, Jr.....Highland Falls, N. Y.
Jones, Vincent LeRoy.....Mount Vernon, N. Y.
Morch, John.....New York City
Nielsen, Lawrence H., B.S. 1914.....New York City

O'Connor, George Watson.....New York City
Pilnacek, Edward A.....New York City
Rasori, Ferruccio.....New York City
Weaver, Ernest W.....New York City
Zins, Max.....New York City

Sanitary Engineering

Aronescu, Leon I., B.S. 1914.....New York City
Diekmann, William Herman.....New York City
Hutton, Harold Stephens.....West Nyack, N. Y.
Iverson, Martin Christian.....New York City
Kuchar, Joseph Jaromir.....New York City
Medine, Simon.....New York City
Merckel, Frederick George.....New York City
Mouquin, Louis H. F. (Senior in Columbia College).....New York City
Orthey, George Frederick.....New York City
Schiffman, Charles David.....Jersey City, N. J.
Strang, John Arthur.....New York City
Zuckerman, Solomon.....New York City

Chemical Engineering

Allen, Edwin Thomas.....Buffalo, N. Y.
Berry, Sydney Griswold.....Montclair, N. J.
Flynn, Kirtland.....New York City
Funke, Carl Albert Daniel.....New York City
Gampert, Louis.....New York City
Gertz, Max.....Jamaica, N. Y.
Groten, Frank, Jr.....Paterson, N. J.
Hanchett, Arnold.....Salt Lake City, Utah
Harvitt, Adolph, B.S. 1914.....New York City
Hubbell, John P., A.B. Williams 1913.....New York City
Kempf, Norman William Frederick.....Newark, N. J.
Kennard, Ralph B.....New York City
Kilbourne, Kenneth Alexander.....Seattle, Wash.
Lambert, Noah D.....New York City
Monell, Leon Mason, Ph.C. 1911.....Binghamton, N. Y.
Murphy, George B.....New York City
Peters, Frazier Forman.....New York City
Peterson, Chester William, B.S. 1914.....New York City
Randolph, Alan F., B.S. Princeton 1913.....Plainfield, N. J.
Seitz, Julius Emile, Jr.....Newark, N. J.
Steffens, John Alfred, Phar.D. 1910.....New York City
Valentine, Kenneth S., A.B. 1914.....New York City

Chemistry

Vollmer, David Wilbert.....New York City

THIRD YEAR—CLASS OF 1916

Mining Engineering	21
Metallurgy	6
Civil Engineering	24
Electrical Engineering	20
Mechanical Engineering	23
Chemical Engineering	22
Chemistry	1
Sanitary Engineering	12
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SECOND YEAR—CLASS OF 1917

Mining Engineering

Armstrong, Clifton T.....New York City
Beatty, Lawrence Richmond.....New York City
Beckwith, Albert J.....New York City
Berg, Philip.....New York City
Burnholz, Henry S.....New York City
Dixon, Max Muller, Litt. B. Princeton 1913.....Washington, D. C.
Donoho, James B.....New York City
Higgins, Gilbert H. (Senior in Columbia College).....Bayonne, N. J.
Kraus, Edgar.....New York City
Macmillan, Herbert.....Jersey City, N. J.
Moldenke, Edel.....Watchung, N. J.
Park, John.....Nyack, N. Y.
Petzel, Charles Lawrence.....New York City
Pyburn, Paul Francis, Jr., A.B. Fordham 1914.....New York City
Smith, Bert R.....New York City
Smith, Henry Boynton.....Northampton, Mass.
Spurny, Emil.....New York City
Tichborne, Herbert M.....Mt. Vernon, N. Y.
Willey, Howard.....Mt. Upton, N. Y.
Yen, Chwang.....Shensi, China

Metallurgy

Erdofy, Maxwell E.....New York City
Gibson, A. Wallace.....New York City
Hermsdorf, Richard Paul.....New York City
Norton, Alwin Wood.....Lawrence, N. Y.
Sommerville, William B., Jr.....New York City

Civil Engineering

Abkarian, Victor S.....New York City
Bradley, Lyman C.....Mt. Vernon, N. Y.
Bullock, Harvey R., A.B. Trinity (N. C.) 1914.....Greenville, N. C.
Friedberg, Moses David.....New York City
Gachot, Charles A. J., Jr.....New York City
Gainsborg, Edward C.....New York City
Gersch, Emanuel.....New York City
Goldfinger, Henry.....New York City
Klein, Samuel Henry.....New York City
Klupt, Alexander E.....New York City
Leshensky, Harry W.....New York City
Levy, Joseph I.....Bayonne, N. J.
Lewin, George Jonas.....New York City
Messing, Morris.....New York City
Miller, David W.....New York City
Moore, Richard R.....New York City
Munroe, Robert King.....New York City
Murphy, Francis Edward.....New Rochelle, N. Y.
Neumer, Otto.....New York City
Palmer, Herbert M.....New York City
Seiferling, Kurt F. J. A.....New York City
Sheridan, Sarsfield J.....New York City
Stein, Morris (Senior in Columbia College).....New York City
Sussman, Samuel, B.S. 1914.....New York City

Tamburrelli, Hector.....New York City
Tarnopoll, Louis.....New York City
Thomson, Robert Alexander.....New York City
Walker, William Farquharson.....New York City
Weiskopf, Edward Francis.....Mt. Vernon, N. Y.
Yokelson, Samuel C.....New York City

Electrical Engineering

Amy, Ernest Valentine.....New York City
Beck, Edward Frederick William.....Pelham Heights, N. Y.
Broe, Edgar Peter.....New York City
Carpe, Allen.....Xenia, Ohio
Chastagner, Philippe J. P.....Yonkers, N. Y.
Conant, Thomas W.....Dollar Bay, Mich.
Cummings, B. Ray.....New York City
Edwards, Joseph Ball.....New York City
Fowler, John.....New York City
Hayward, Charles L.....New York City
Heyman, Morris.....New York City
Jackson, Lionel James.....New York City
Johnson, Theophilus, Jr.....Woodside, N. Y.
King, Frank.....New York City
Klein, Harry.....New York City
Lemmon, Walter S.....New York City
Mitzenius, Walter L.....Bayonne, N. J.
Mushekin, Edward.....New York City
Piccione, Garibaldi J.....New York City
Pringle, Joseph G.....New York City
Roberts, H. Llewelyn.....New York City
Rodman, Nicholas.....New York City
Sammis, Walter H.....Hempstead, N. Y.
Scribner, George K.....Boonton, N. J.
Smith, Henry C.....New York City
Spiegler, Charles, B.S. C. C. N. Y. 1915.....New York City
Sporn, Philip.....New York City
Starbuck, Fred Irving.....White Plains, N. Y.
Tessohn, Isidor M.....New York City
Tonjes, Carl.....New York City
Valverde, Robert.....New York City
Vaughan, George W., Jr.....Mt. Vernon, N. Y.
Vaughan, Wilbur S.....Roselle, N. J.
Wallach, Joseph Carol.....New York City
Wilson, George.....New York City

Mechanical Engineering

Bragg, Edward H.....Pelham Heights, N. Y.
Carlstrom, Claude W.....Flushing, N. Y.
Colsten, Robert.....Binghamton, N. Y.
Constant, S. Victor.....Yonkers, N. Y.
Gaertner, Henry Arthur.....New York City
Gatje, Frederick Christopher.....New York City
Greene, Harding Updike.....Ridgewood, N. J.
Hageman, Donald.....New York City
Haight, James Pollock, Jr.....New York City
Hayes, Ernest Albertus.....New York City

HENRY, WILLIAM ..... New York City
HILDEBRAND, H. EDWARD ..... New York City
HOCHETTE, HENRY E ..... New York City
JACKSON, EDWARD C ..... Yonkers, N. Y.
KRETZMER, JOHN L ..... New York City
LANZETTA, JAMES JOSEPH ..... New York City
LAWLER, JAMES R ..... Pelham, N. Y.
MCINTOSH, ROY ELMER ..... Bothneau, N. Dak.
MAASS, HAROLD H ..... New York City
MANNING, JAMES ..... Little Falls, N. Y.
MARQUARDT, WILLIAM C ..... New York City
MERRILL, STANLEY CLIFFORD ..... New York City
MORRISON, STAATS D ..... New York City
PLACÉ, LOUIS V., JR ..... Habana, Cuba
SCHEDE, JULIUS W ..... Mount Vernon, N. Y.
SENGSTAKEN, CHARLES WILLIAM ..... New York City
TITCOMB, JOHN H ..... New York City
TITUS, HUBERT J ..... Schenectady, N. Y.
TUCKER, GORDON E ..... Great Neck, N. Y.
WALTER, MAURICE ..... New York City
WEGENER, JOHN U ..... New York City

SANITARY ENGINEERING

BEYER, HAROLD WETMORE ..... New York City
BILLSBORROW, RALPH E ..... Paterson, N. J.
JAUSS, RAYMOND B ..... New York City
KLENKE, FRANCIS M., B.S. C. C. N. Y. 1914 ..... New York City
MCCARTHY, THOMAS GEORGE ..... New York City
MCKENNA, VIRGIL VINCENT ..... Westbury, N. Y.
MALLORY, WALTER H ..... Castleton, N. Y.
TARTT, PHILLIPS B ..... Leonia, N. J.
TINOCO, ARTURO ..... Cartago, Costa Rica
WALSH, MALCOLM ..... New Brighton, N. Y.

CHEMICAL ENGINEERING

BALLENTINE, ALMYR COOPER ..... Newark, N. J.
BERSON, JACOB ..... New York City
BOWES, ALMON N ..... New York City
BRUECKMANN, EARL C ..... Newark, N. J.
CLARK, JOHN H., JR., A.B. Williams, 1914 ..... Glenbow, Alberta
ELLINGER, LOUIS J. (Senior in Columbia College) ..... New York City
EVANS, SAMUEL S., JR., A.B. Williams 1914 ..... Paterson, N. J.
FISHER, DANIEL ..... New York City
FRIEDMAN, AARON ..... New York City
HALDENSTEIN, ALFRED A. (Senior in Columbia College) ..... New York City
HANAHAN, MARION L., B.A. & B.S. Univ. S. C. 1914 ..... Charleston, S. C.
HEATH, JAMES NEWTON ..... Paterson, N. J.
HOWELL, SIDNEY I ..... East Orange, N. J.
HUNT, ROY LINCOLN ..... New York City
JACOBSON, GEORGE ..... New York City
JEWETT, FREDERICK W. (Senior in Columbia College) ..... New York City
JOHNSTON, WILLIAM SHERMAN (Senior in Columbia College) ..... New York City
KLADIVKO, HUGO ..... New York City
KRNO, JOHN M ..... New York City
LANDAU, MORRIS ..... Leonia, N. J.
LANE, LESTER BARKER ..... Peekskill, N. Y.

LIBERTHSON, LEO.....New York City
LOESCH, HUGO GEORGE (Senior in Columbia College).....New York City
MAHLER, PAUL.....New York City
MARX, ERNEST A.....New York City
MONFRIED, ABRAHAM ALBERT.....Yonkers, N. Y.
MOSHER, Max, B.S. C. C. N. Y. 1914.....New York City
MOSKOWITZ, MEYER.....New York City
PINES, WILLIAM.....New York City
REICHHARD, LEONARD G.....New York City
SAUL, BENJAMIN, JR.....New York City
SCHAD, FRED.....New York City
SILVERMAN, ISADOR.....Yonkers, N. Y.
SMITHERS, ADELBERT F., A.B. 1914.....New York City
SOKOLOFF, ABRAHAM N.....New York City
SPRUNG, JOSEPH.....New York City
STEINBRUCH, HERMAN.....New York City
STONE, MEYER.....New York City
TRUBEK, LEO.....Carlstadt, N. J.
WADEL, ERNEST GANS, B.S. Penn. Mil. Col. 1914.....Tyler, Texas
WEBB, G. RAYMOND, B.S. 1914.....Buffalo, N. Y.

CHEMISTRY

BENOWITZ, HARRY.....New York City
LOOK, HOWARD W.....New York City

SECOND YEAR—CLASS OF 1917

Mining Engineering	20
Metallurgy	5
Civil Engineering	30
Sanitary Engineering	10
Electrical Engineering	35
Mechanical Engineering	31
Chemical Engineering	41
Chemistry	2
	174

SPECIAL STUDENTS

ALCÁCER, ISMAEL S., A.B. Buenos Aires 1910.....Buenos Aires, Argentina
ARGENT, ALEXIS.....New York City
BATEMAN, GEORGE F., B.E. Cooper.....New York City
BIDWELL, ABEL TROOD, Lieut. U. S. N.....Bellefonte, Pa.
BOLEY, ERNEST W., B.S. Case School 1914.....Cleveland, Ohio
BOYLE, CORNELIUS A.....New York City
BROSHEK, JOSEPH JOHN, Lieut. U. S. N.....New Bedford, Mass.
CANTINE, HOLLEY RUDD, Ph.B. Yale 1914.....Saugerties, N. Y.
CARNELLI, CHARLES MICHAEL.....New York City
CARNOCHAN, GOUVERNEUR MORRIS, JR., A.B. Harvard 1914.....New York City
CARTER, WOERALL REED, Lieut. U. S. N.....Yarmouth, Maine
CHARLTON, ALEXANDER MARK, Lieut. U. S. N.....Omaha, Nebraska
CHASE, ALBERT WOODWORTH, B.S. 1914.....Catskill, N. Y.
CLARK, CHARLES ROBERT, Lieut. U. S. N.....Plattsburg, N. Y.
COCHRAN, SCHAMYL, Lieut. U. S. N.....Houston, Texas
COLLINS, MARSHALL, Lieut. U. S. N.....Richmond, Ky.
CORTS, F. LESTER, B.S. C. C. N. Y. 1909.....Richmond Hill, N. Y.

DAVIS, HENRY FREDERICK DILMAN, Lieut. U. S. N.....Elko, Nevada
DAVIS, WILLIAM EDWIN, JR.....Jersey City, N. J.
DONALD, HARRY GORDON, Lieut. U. S. N.....Mobile, Ala.
DUCEY, DAVID FRANCIS, Lieut. U. S. N.....Framingham, Mass.
DUNN, JOHN A.....New York City
ENGLE, FRANKLIN S.....Marietta, Pa.
FORD, LOUIS RANDOLPH.....Orange, Texas
IRISH, JAMES MCCREDIE, Lieut. U. S. N.....Utica, N. Y.
LESLIE, WILLIAM H.....New York City
LOFTIN, EDWARD HILL, Lieut. U. S. N.....Pensacola, Florida
LYNE, KENNETH MCDONALD, B.C.E. Univ. of South.....Henderson, Ky.
MCCORMACK, HARVEY WILLIAM, Lieut. U. S. N.....Leesburg, Florida
PASHLEY, WILLIAM HUBBEL, Lieut. U. S. N.....Chicago, Ill.
PEASLEE, EDMUND W., A.B. Yale 1913.....New York City
POWELL, ELMER F.....Newark, N. J.
PUTNAM, HENRY R., B.S. Inst. Mass. Tech. 1909.....New York City
QUINN, JOHN J., A.B. Natl. Univ. Dublin 1912.....New York City
RATHELL, WARREN C., B.S. Virginia Poly. 1910.....Wye Mills, Md.
ROPES, JOHN MARLING.....Coytesville, N. J.
ROSS, CHARLES CORWIN, Lieut. U. S. N.....Richmond, Ind.
SCOTT, SYLVESTER M., JR.....Cranford, N. J.
SIEBENMORGEN, WILLIAM.....Westfield, N. J.
TOWNSEND, REX M. F., B.S. Harvard 1912.....Washington, D. C.
URICH, JOSEPH J. K.....Myerstown, Pa.
VAN NOSTRAND, CHARLES RICHARDS.....Elizabeth, N. J.
WILSON, EUGENE EDWARD, Lieut. U. S. N.....Tacoma, Wash.
WINDSOR, CHARLES CLIFFORD, Lieut. U. S. N.....Iron River, Mich.
WU, YU LIU, B.S. and M.S. Mass. Inst. Tech.....Soochow, China
ZILBERSHER, SAMUEL I.....New York City

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SUMMARY

	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:				
Mining Engineering	20	21	21	62
Metallurgy	5	6	9	20
SCHOOL OF CHEMISTRY:				
Chemistry	2	1	5	8
Chemical Engineering	41	22	20	83
SCHOOL OF ENGINEERING:				
Civil Engineering	30	24	30	84
Sanitary Engineering	10	12	10	32
Electrical Engineering	35	20	17	72
Mechanical Engineering	31	23	27	81
SPECIAL STUDENTS				46
TOTAL				488
Seniors from Columbia College				8

FACULTIES OF POLITICAL SCIENCE, PHILOSOPHY AND PURE SCIENCE

POLITICAL SCIENCE

Faculty President BUTLER

Dean WOODBRIDGE

Professors [2]BEARD, BOTSFORD, CHADDOCK, DE LAPRADELLA, [1]CLARK, DEVINNE, DUNNING, GIDDINGS, GUTHRIE, JOHNSON, LINDSAY, MCBAIN, MCGIFFERT, MITCHELL (W. C.), MOORE (J. B.), MOORE (H. L.), MUSSEY, MUZZEY, OSGOOD, POWELL (*Secretary*), ROBINSON, ROCKWELL, SAIT, SCHUYLER, SEAGER, SELIGMAN, SHEPHERD, SHOTWELL, SIMKHOVITCH, SLOANE, SMITH (MUNROE), STOWELL, SUZZALLO, TENNEY

Committee COMMITTEE ON INSTRUCTION: Professors SELIGMAN (*Chairman*), DUNNING, MUNROE SMITH, GIDDINGS and SHOTWELL.

Delegates to the University Council (see page 5)

General Statement The Faculty of Political Science, established in 1880, has charge of the university courses of instruction and research in political and social science, including history, economics, public law and comparative jurisprudence. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University. Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history, economics and social science and may become candidates for the higher degrees.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for Higher Degrees," page 292, *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

Courses For information regarding the courses offered during the current year, see statement under groups of subjects, as follows:

Economics and Social Science, page 105.

History and Political Philosophy, page 137.

Public Law and Comparative Jurisprudence, page 147.

For more detailed accounts of the courses and for the tender of the current year application should be made for the current Announcement of the Division of *History, Economics* and *Public Law.*

[1] Absent on leave 1914–15. [2] Absent on leave second half-year.

PHILOSOPHY

Faculty

President BUTLER

Dean WOODBRIDGE

Professors ADLER, AYRES, BAGSTER-COLLINS, BAKER, BEWER, BOAS, BREWSTER, BROWN (FRANCIS), BUSH, CARPENTER, CATTELL, COE, COHN, DEWEY, [1]DUTTON, EGBERT, ERSKINE, FLETCHER, [1]FULLERTON, GERIG, GOTTHEIL, HALL, HERVEY, HIRTH, JACKSON (A. V. W.) [3]KNAPP, KRAPP, LAWRENCE (*Secretary*), LIVINGSTON, LODGE, LOISEAUX, MCCREA, [3]MCMURRY, MACVANNEL, MATTHEWS, MILLER (D. S.), MONROE, MONTAGUE, MOORE (F. G.), PERRY, PITKIN, PRINCE, REMY, RUSSELL, [2]SACHS, SAVILLE, STURTEVANT, THOMAS (C.) THORNDIKE (A. H.), THORNDIKE (E. L.), TODD, TOMBO, TRENT, WEEKS, WHEELER, WOODWORTH, WRIGHT, YOUNG

Committee

COMMITTEE ON INSTRUCTION: Professors CALVIN THOMAS (*Chairman*), DEWEY, MCCREA, FLETCHER and MONROE

Delegates to the University Council (see page 5)

General Statement

The Faculty of Philosophy, established in 1890, has charge of the university courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University.

Students are received either as candidates for the degree of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 292, *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

Courses

For information regarding the courses offered (during the current year) see departmental statements as follows: **Anthropology,** page 75. **Classical Philology (including Archaeology and Epigraphy),** page 97. **Education,** page 111. **English and Comparative Literature,** page 122. **Germanic Languages,** page 131. **Oriental Languages: Chinese,** page 162; **Indo-Iranian,** page 162; **Semitic,** page 163. **Philosophy and Psychology,** page 169. **Romance Languages,** page 183. **Science of Language,** page 163.

For more detailed accounts of the courses and for the tender of the current year application should be made for the current divisional *Announcement of Ancient and Oriental Languages; Modern Languages and Literatures; Philosophy, Psychology, and Anthropology;* and of Teachers College.

PURE SCIENCE

Faculty

President BUTLER

Dean WOODBRIDGE

Professors BEANS, BLANCHARD, BOGERT, BRITTON, BURR, BURTON-OPITZ, CALKINS, COLE (*Secretary*), CRAMPTON, CURTIS, DAVIS, DEAN,

[1] Absent on leave 1914–15. [2] Absent on leave first half-year.
[3] Absent on leave second half-year.

DODGE, FISKE, FITE, GIES, GRABAU, HARPER, HAWKES, HUNTINGTON, [2]JACOBY, JOHNSON (D. W.), KASNER, KEMP, KEYSER, LEE, LUCKE, LUQUER, MACCALLUM, MACLAY, MARQUETTE, [3]MITCHELL (H. B.), MORGAN (J. L. R.), MORGAN (O. S.), MORGAN (T. H.), MOSES, MUNROE, OSBORN, PEGRAM, PIKE, POOR, PUPIN, RICHARDS, SHERMAN (H. C.), SLICHTER, SMITH (ALEXANDER), [1]SMITH (D. E.), TROWBRIDGE, WEBB, WILLS, WILSON, WOOD (F. C.), WOODHULL, ZINSSER

Committee COMMITTEE ON INSTRUCTION: Professors PEGRAM (*Chairman*), WILSON (1915), BOGERT (1916), and COLE (1917), HARPER (1918)

Delegates to the University Council (see page 5)

General Statement The faculty of Pure Science, established in 1892, has charge of the university courses of instruction and research in all branches of pure science. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for Higher Degrees," page 292, *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

Courses For information regarding the courses offered the current year, see departmental statements as follows: **Anatomy**, page 73. **Astronomy**, page 79. **Bacteriology**, page 80. **Biological Chemistry**, page 81. **Botany**, page 84. **Chemistry**, page 87. **Civil Engineering**, page 93. **Electrical Engineering**, page 119. **Geology**, page 128. **Highway Engineering**, page 95. **Mathematics**, page 149. **Mechanical Engineering**, page 152. **Mechanics**, see **Physics**. **Metallurgy**, page 153. **Mineralogy**, page 156. **Mining**, page 157. **Pathology**, page 166. **Pharmacology**, page 190. **Physics**, page 176. **Physiology**, page 179. **Zoölogy**, page 191.

For more detailed accounts of the courses and for the tender of the current year application should be made for the divisional current *Announcement of College of Pharmacy; Biology; Chemistry; Geology, Geography, and Mineralogy; Mathematical and Physical Science;* and of the *Schools of Mines, Engineering, and Chemistry.*

Foreign Service A system of courses has been inaugurated to prepare students for work in foreign countries, either in the service of the United States Government, in business enterprises, or as missionaries or scientific investigators.

The successful completion of the courses offered, which will normally occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the committee in charge of the course of studies, to an appropriate certificate. Subject

[1] Absent on leave 1914–15. [2] Absent on leave first half-year.
[3] Absent on leave second half-year.

to the rules of the institution, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

REGULATIONS FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates for the degrees of Master of Arts and Doctor of Philosophy known as the Higher Degrees must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree from an approved institution,[1] or have an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Executive Committee of the University Council.

Each candidate for a higher degree must present to the Dean satisfactory evidence that he is qualified for the studies he desires to undertake.

Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively;[2] provided, however, that the period of residence may be proportionately extended of students from institutions in which the course of study is not regarded as equivalent to that in Columbia College. The year spent in study for the degree of Master of Arts is credited on account of the requirement for the degree of Doctor of Philosophy. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University as a graduate student for at least one year. The satisfactory completion of work at four Summer Sessions or at two Summer Sessions together with a half-year of the regular academic year, will be accepted as fulfilling the minimum requirement of one year of university residence for the higher degrees.

Professional Schools

Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may, with the consent of the faculty of such school, be registered as candidates for the higher degree in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties,

[1] The standing of any institution conferring the Bachelor's degree may be ascertained by addressing the Secretary of the University Council.

[2] In practice three years of university residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer, as the equivalent of four full courses for the degree of Master of Arts and of the two minor subjects for the degree of Doctor of Philosophy, such of his professional courses as may be approved for that purpose by the Dean of the Graduate Faculties.[1]

Doctor of Philosophy

Each student who declares himself a candidate for the degree of Doctor of Philosophy shall designate one principal or major subject and two subordinate or minor subjects. Candidates are expected to devote about one-half of their time throughout their course of study to the major subject, and about one-quarter to each minor subject. Except by vote of the Executive Committee of the University Council, upon the recommendation of the Dean and the department concerned, no candidate may choose his major and both minor subjects under one department. Major and minor subjects may not be changed except by permission of the Dean, on the approval of the departments concerned. Both the professor in charge of the major subject and the Dean must pass upon the student's qualifications for the course of study he desires to pursue, and approve his choice of subjects before registration can be effected.

The subjects from which the candidate's selection must be made are:

Under the Faculty of Political Science

Group I.—History and political philosophy: (1) Ancient and oriental history; (2) medieval history and church history; (3) modern European history from the opening of the 16th century; (4) American history; (5) history of thought and culture.

Group II.—Politics, public law and comparative jurisprudence: (1) Politics; (2) Constitutional Law and Administrative Law.

Group III.—Economics and social science: (1) Political economy and finance; (2) sociology and statistics; (3) social economy.

A candidate for the degree of Doctor of Philosophy whose major subject lies within the jurisdiction of this Faculty must select one minor subject outside of the group which includes his major subject, and one minor subject within the group which includes his major subject. He must take, in his major subject, courses occupying at least four hours weekly during each required year of residence (provided that this number of hours be offered in the subject), and must also attend a Seminar during the period of residence. In each minor subject he must take courses occupying at least two hours weekly during each required year of residence.[1]

Under the Faculty of Philosophy

I. Major Subjects: (1) Philosophy; (2) psychology; (3) anthropology;

[1] In accordance with this provision it is the custom of the Dean to approve two full years of professional work as the equivalent of four full courses for the degree of Master of Arts and three full years of professional work as the equivalent of the two minor subjects for the degree of Doctor of Philosophy, and to require students who are candidates for degrees under this provision to distribute their university work over a period of two and three years, respectively.

(4) education; (5) linguistics; (6) comparative literature; (7) classical archaeology and epigraphy; (8) Greek language and literature, and, incidentally, Grecian history; (9) Latin language and literature, and, incidentally, Roman history; and the following including in each case the study of both the language and the literature: (10) English; (11) Germanic; (12) Romance; (13) Sanskrit (with Pali) and Iranian; (14) Semitic languages; (15) Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 may each be offered as the equivalent of a major and one minor subject.

II. Minor Subjects: (1) Philosophy; (2) psychology; (3) anthropology; (4) education; (5) linguistics; (6) comparative literature; (7) Greek; (8) Greek archaeology; (9) Latin; (10) Roman archaeology; (11) Comparative Grammar of Greek and Latin; (12) Sanskrit; (13) Iranian; (14) English; (15) Anglo-Saxon; (16) Gothic; (17) Germanic philology; (18) German language and literature; (19) Scandinavian languages and literatures; (20) Romance philology; (21) French language and literature; (22) Spanish language and literature; (23) Italian language and literature; (24) Hebrew; (25) Arabic; (26) Assyrian; (27) Syriac; (28) Ethiopic; (29) Semitic epigraphy; (30) Turkish; (31) Armenian; (32) Chinese; (33) Coptic; (34) Celtic; (35) Comparative religion.

A candidate for the degree of Doctor of Philosophy may, with the consent of the Dean and of the departments concerned, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

Under the Faculty of Pure Science

(1) Agriculture; (2) anatomy; (3) astronomy; (4) bacteriology; (5) botany; (6) biological chemistry; (7) chemistry; (8) civil and sanitary engineering; (9) electrical engineering; (10) highway engineering; (11) geodesy; (12) geology; (13) mathematics; (14) mechanical engineering; (15) mechanics and electromechanics; (16) metallurgy; (17) mineralogy; (18) mining; (19) paleontology; (20) pathology; (21) pharmacology; (22) physics; (23) physiology; (24) zoölogy.

No one of the subjects Civil Engineering, Electrical Engineering, Mechanical Engineering, Metallurgy, or Mining, may be offered as a subject of major interest except by a candidate who has already obtained the corresponding engineering degree. With the consent of the Dean and of the departments concerned, (1) the major and one minor subject may be taken under one department, (2) both minor subjects may be taken under one department and one minor subject may be divided.

Each student is given a registration-book in which to keep the record of courses attended. At the beginning and end of each course the professor in charge certifies the student's attendance by his signature. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

Applications for the final oral examination for the degree of Doctor of Philosophy must be filed with the Dean at least two months before one of the three dates at which diplomas are issued (viz., October, February, and June) in order to secure examination before that date.

Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the results of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved, it shall be printed by the candidate, and one hundred copies shall be delivered to the Registrar before the degree is conferred. For reasons of weight and on the recommendation of the department concerned, the Dean may suspend this requirement if the dissertation has been accepted by a reputable scientific journal and publication within a period of two years has been assured. The Dean may, when he deems it necessary, demand a financial guaranty of eventual publication. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ————, Columbia University;" the full name of the author; the full title of the dissertation; the year and place of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted. There shall be printed and appended to each dissertation, in the form of a Vita, a statement of the place and date of birth of the author, of the educational institutions that he has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examinations of the candidate. Students should, however, at least three weeks prior to their examination deposit three typewritten copies in the Dean's office for the inspection of the examiners.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, or even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject

as a whole and a general acquaintance with the broader field of knowledge, of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by those departments; (3) are certified as to their ability to read Latin by that department, provided that students whose major subject is philosophy, psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French and German shall be passed at least one academic year before the candidate presents himself for the degree.

No student may continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for a higher degree.

Master of Arts

Each student who declares himself a candidate for the degree of Master of Arts shall designate a department under which he elects to do the major part of his work and shall arrange, in consultation with and under the advice of that department, and subject to the approval of the Dean, a curriculum comprising at least the equivalent of eight full courses of graduate rank.

No one of the subjects Civil Engineering, Electrical Engineering, Mechanical Engineering, Metallurgy, or Mining, may be offered as a subject of major interest except by a candidate who has already obtained the corresponding engineering degree.

No curriculum for the degree of Master of Arts shall include more than four courses which the candidate offers for a professional degree, or for a certificate given in lieu thereof, in any professional school belonging to

the University or affiliated with it. No candidate for the degree of Master of Arts shall be permitted to register for less than the equivalent of one full course in any half-year.

Each candidate for the degree of Master of Arts must file a formal application for the degree on a blank provided for the purpose, to be had of the Registrar. Before this application is filed with the Registrar the title of the essay, if an essay is required, must have been formally approved by the professor in charge and the courses presented in satisfaction of the residence requirements must also have been approved by the department concerned. If the degree is to be conferred in February, the application must be filed with the Registrar on or before January 15th; if in June, on or before April 15th; if in October, on or before August 1st. The last-named date applies to candidates who shall complete the requirements of residence and attendance in the Summer Session then in progress. Diplomas are issued on the third Tuesday in February, on Commencement day, and on the third Tuesday in October, corresponding, respectively, to the foregoing dates of application.

An essay may be required of candidates for the degree of Master of Arts by the department of major interest or by the Faculty to which said department belongs; when required it shall take the place and be regarded as the equivalent of one full course of the curriculum. Such essay shall be submitted to the appropriate department at such time as the department may designate. If the essay is accepted, two typewritten or legibly written copies, together with a certificate of acceptance by the professor in charge, shall be deposited with the Registrar at least two weeks before the candidate expects to receive his degree. These copies must be written on "Paragon Linen," 11 x $8\frac{1}{2}$ inches in size, 20-pound weight, $4\frac{1}{2}$ wove, a space of one and one-half inches on the inner margin being left free from writing. The title page shall contain the words: "Submitted in partial fulfilment of the requirements for the degree of Master of Arts in the Faculty of ————, Columbia University."

With the approval of the appropriate departments the Dean may credit work done at another institution, the courses to which such work is deemed equivalent being entered in the curriculum as "completed elsewhere," but at least five full courses of graduate rank must always be taken at Columbia University. This provision, however, shall not operate to reduce the requirement of one year's residence in this University, but will permit a student to discharge this requirement by electing outside his curriculum such courses as may be approved by the department in charge.

An undergraduate who at the beginning of any half-year is within twelve points of a bachelor's degree may be permitted, with the approval of the appropriate Deans, to take one graduate course with a view to counting it for a second degree; if within eight points, two; if within four, three. If such student afterwards matriculates as a candidate for the degree of Master of Arts, the graduate courses previously taken by him under this

provision may be entered in his curriculum, without special permission, as "already completed."

On final certification by the Dean of the appropriate Faculty that all official regulations have been complied with, a candidate shall be recommended to receive the degree of Master of Arts for the satisfactory completion within a period of five years of an approved curriculum.

Master of Laws

Any student who has been graduated from an approved college or scientific school of collegiate rank, or who has successfully completed three years of undergraduate study in an approved college or scientific school, such course of study including satisfactory courses in Economics and in English and American History, and who has also successfully completed three years of study in an approved law school, and who shall thereafter during one year of residence at Columbia University satisfactorily complete a course of study approved by the Deans of the Faculties of Law and Political Science, shall be entitled to be recommended for the degree of Master of Laws.

REGISTER OF STUDENTS, 1914-15

Under the Faculties of Political Science, Philosophy, and Pure Science[1]

ABBOT, AMY GUNNELL, A.B. Wyoming 1907.....Laramie, Wyo.
English

ABBOTT, EMILY MILDRED, A.B. Oberlin 1903.....Mansfield, Ohio
English

ABRAHAM, IRMA, A.B. Hunter 1911.....New York City
German

ACHILLES, PAUL S., A.B. Yale 1913.....Briarcliff Manor, N. Y.
Economics

ACKERLE, IDA V., A.B. Hunter 1907.....New York City
German

ADAMS, ELLA, A.B. Onachita 1914.....Arkadelphia, Ark.
English

ADAMS, ETHEL, A.B. Onachita 1905.....Arkadelphia, Ark.
English

ADAMS, HELEN, A.B. Ohio Wesleyan 1912.....Millersburg, O.
English

ADAMS, LEVERETT ALLEN, A.B. Kansas 1902, A.M. 1906.....Lawrence, Kan.
Biology

ADAMS, LOUISE ELIZABETH WHITENHALL, A.B. 1914.....New York City
Latin

ADIKES, ANNA M., A.B. 1914.....New York City
History

ADLER, ALPHONSE ANDREW, B.S. Cooper Union 1905, M.E. Brooklyn Poly. 1909
.....New York City
Mathematical Physics

ADLER, RUTH (N. M.).....New York City
History

ADLERBLUM, CULLEN, A.B. C. C. N. Y. 1914.....New York City
Botany

ADLERBLUM, (MRS.) NIMA, (equiv.) A.B. Teachers Coll., Paris, 1903..New York City
Philosophy, French

AOHNIDES, NICHOLAS P., A.M. 1913, LL.B. Ottoman 1909....Constantinople, Turkey
Economics, Sociology, History

AITKEN, ROBERT THOMAS, B.L. California 1913.....Mt. Hamilton, Cal.
Anthropology, Linguistics

AKAMATSU, SUKEYUKI.....Tokyo, Japan
Public Law, Sociology

ALBRIGHT, ROGER, A.B. Colgate 1914.....Newark, N. J.
Sociology

[1] Officers in the University who are at the same time pursuing courses for the higher degrees are not included in this list. Wherever the name of a State is given after a degree, it signifies that the student has graduated from the given State University.

ALDEN, ALANSON GILBERT, A.B. Dartmouth 1908, A.M. 1911.....Irvington, N. J.
German

ALDRIDGE, ALFRED H., Ph.B. Dickinson 1912, A.M. 1913.....Fayetteville, Pa.
Public Law

ALEXANDER, CLIVE MORRIS, B.S. Iowa 1911, M.S. 1913.....Leon, Ia.
Chemistry

ALEXANDER, MARY VICTORIA, A.B. Maryville 1908.....Maryville, Tenn.
English

ALSTET, MURRAY A., A.M. 1913, A.B. C. C. N. Y. 1913.....South Bethlehem, Pa.
Semitics, Sociology, History

ALTSCHUL, HELEN G., A.B. 1907.....New York City
History

ALVORD, THOMAS HOPKINS, Ph.B. Hamilton 1912.....Livonia, N. Y.
English, Comparative Literature

AMBEDKER, BHIMRAO RAMJI, A.B. Elphinstone 1912.....Bombay, India
Economics, Sociology, History

AMOS, WALDO ADAMS, A.B. 1906.....Hoboken, N. J.
History

ANDERSON, JENNIE H. (n. m.), M.D. Denver & Gross Coll. Med. 1911...Aspen, Colo.
Bacteriology

ANDERSON, JOSEPH COURTENAY.....New York City
English, Comparative Literature

ANDREWS, SOPHIE TOWNSEND, A.B. 1914.....New York City
German

ANDREWS, WALTER L., A.B. Harvard 1877.....New York City
English

ANGELL, JESSIE KNICKERBOCKER (n. m.), A.B. Vassar 1909.....Waverly, N. Y.
Social Economy

ARAKI, SHIGERU.....Los Angeles, Cal.
Sanskrit

ARCHER, CATHERINE AGATHA, A.M. 1914, A.B. Hunter 1912.....New York City
Physics, Chemistry, Astronomy

ARMSTRONG, ARTHUR HAMMOND, A.B. Yale 1912.....New York City
English

ARMSTRONG, HELEN CLARE (n. m.), A.B. Goucher 1911.....Kane, Pa.
Social Economy

ARNOLD, JAMES LORING, A.B. 1891, Ph.D. Leipzig 1897.....New York City
Physics

ARNOLD, MARGUERITE, A.B. Vassar 1909.....Mt. Vernon, Ohio
English

ARONOWITCH, BENJAMIN.....New York City
Chemistry, Bacteriology

ARROWSMITH, MARY NOEL, A.B. Smith 1913.....New York City
Social Economy

ASTRUCK, EDNA FRANCES, A.B. 1914.....New York City
History

AU, KEI W., B.Ch.E. Michigan 1914.....Canton, China
Chemistry

AUERBACH, JENNIE GABRIELLE, A.B. 1913.....New York City
History

AULTMAN, MARWYN LIGHT, A.B. Wesleyan 1909.....Cincinnati, Ohio
English

AVENT, JOHN MCDONOUGH, B.S. 1913.....White Plains, N. Y.
English

AYRES, MARY STEVENS, A.B. Wellesley 1900.....New York City
English, Comparative Literature

D'Bacourt, Françoise Darentiere, Baccalauréat es lettres, Dijon 1912, New York City
French

Bader, Maximilian, (equiv.) A.B. Gymnasium, Lemberg, Austria, 1912, New York City
German

Baer, Edna, A.B. Hunter 1914 ..... New York City
Botany

Baerwald, Jenny (n. m.) ..... New York City
History

Bagg, Halsey J., B.S. 1914 ..... Yonkers, N. Y.
Psychology

Bailly, Emma Augusta, A.B. Oberlin 1910 ..... New York City
English

Bainton, Edith Frances, A.B. Hunter 1914 ..... New York City
Mathematics

Baldwin, Alice Cary, A.B. Wellesley 1890 ..... Cambridge, Mass.
Latin

Baldwin, Burton John, ... New York City
A.B. Wesleyan 1902, A.B. Yale 1904, B.D. Union Theo. Sem. 1908
Economics, History, Sociology

Ball, Florence Elizabeth, A.B. Hunter 1912 ..... New York City
History

Barney, Charles Gorham, Jr. (n. m.) ..... New York City
English

Baron, Joseph, A.B. 1914 ..... New York City
English

Baron, Joseph Louis, A.B. 1914 ..... New York City
Philosophy

Barrett, Albert S., A.B. Cedar Falls Teachers Coll. Ia. 1912 .... New York City
English

Barrow, Sarah Field, A.B. Mississippi State 1898 ..... Sardis, Miss.
English, Comparative Literature

Barrows, Edna Malvina, A.B. Oberlin 1905 ..... Lorain, Ohio
English

Bartlett, Alanette, B.S. 1913 ..... West Haven, Conn.
French

Basham, Arthur Rees, A.B. Colorado State 1914 ..... New York City
Comparative Literature

Baumann, LeRoy Edward, A.B. Chicago 1912 ..... Elgin, Ill.
Sociology, Economics, Politics

Baxter, Mary Cecilia, A.B. Hunter 1914 ..... New York City
Mathematics

Beaty, John Owen, A.B., A.M. Virginia 1913 ..... Ruckersville, Va.
English, Comparative Literature

Beck, Ida, A.B. 1911 ..... New York City
Social Economy

Beckwith, Martha Warren, A.M. 1906, B.S. Mt. Holyoke 1893 ... New York City
Anthropology

Bedenkapp, Glen Ray, A.B. Hamilton 1912 ..... Lewiston, N. Y.
Economics, Sociology, History

Beeckman, Florence Louise, A.B. 1904 A.M. 1905 ..... New York City
History, Comparative Literature

Beeker, George A., Ph.B. Marietta 1906, A.M. Harvard 1913 ..... Yonkers, N. Y.
Mathematics

Beer, Morris Abel, B.S. C. C. N. Y. 1906 ..... New York City
English

BEIDLEMAN, FRED ALLEN, B.S. 1914.....New York City
Music

BEIR, IRENE S., A.B. Vassar 1913.....Rochester, N. Y.
Chemistry, Physics

BELCHER, DONALD RAY, A.B. Kalamazoo 1909.....Kalamazoo, Mich.
Mathematics

BENDANN, EFFIE, Ph.B. Chicago 1914.....Baltimore, Md.
History

BENDER, RAYMOND CASPAR, A.B. 1914.....Elizabeth, N. J.
History

BENNER, KATHARINE NORTON, A.B. Pomona 1909.....Claremont, Colo.
Sociology

BENNETT, GERSHON SAMUEL, A.B. Hiram 1913.....Melbourne, Australia
Hebrew

BENNETT, VINCENT LEROY, A.B. Pennsylvania 1912.....Pottsville, Pa.
History

BENTKOWSKI, HENRY CASIMIR, B.S. Brooklyn Poly. Inst. 1914....New York City
Mathematics

BENTLEY, BEEBE WALKER, A.M. 1914, A.B. Hunter 1913.....New York City
English

BENTLEY, CEDRIC CHARLES, A.B. Hobart 1913.....Oswego, N. Y.
History

BERENBERG, DAVID PAUL, A.B. C. C. N. Y. 1912.....New York City
German

BERGMAN, MORRIS L., B.S. C. C. N. Y. 1909.....New York City
Mathematics

BERKOWITCH, LOUIS BERNARD, B.S. C. C. N. Y. 1901.....New York City
English

BERKWITZ, ALFRED ABRAHAM, Ph.B. Yale 1914.....New Britain, Conn.
Highway Engineering

BERNEY, ARTHUR A., A.B. N. Y. Univ. 1913.....New York City
Economics

BERNHEIM, GEORGE B. (n. m.), B.S. 1901.....New York City
History

BERNKOFF, CHARLOTTE SOPHIE.....New York City
German

BERNSTEIN, LOUIS, A.B. 1914,.....New York City
History

BESSEY, ARTHUR ALBERT, A.B. St. Stephens 1914.....Poultney, Vt.
History

BESSEY, MABEL A., A.B. Cornell 1906, A.M. Adelphi 1909.....New York City
English

BHADKAMKAR, PURUSHOTTAM PANDURANG, N.M.....Bombay, India
Chemistry

BIDDLE, BRUCE SANKEY, A.M. 1914, A.B. N. Y. Univ. 1909....Jersey City, N. J.
English

BIEBER, ISADORE, B.S. 1913.....New York City
English

BINDER, ABRAHAM WOLF (n. m.),.....New York City
Music

BISBY, GUY RICHARD, B.S. So. Dakota State 1912.....New York City
Botany, Chemistry

BLACK, MARY ELLICE, B.S. Missouri 1910.....Cameron, Mo.
English

BLACKINTON, (MRS.) HUGH (n. m.).....Hoosac Falls, N. Y.
Social Economy

BLANCHARD, MARGARET TERRY, A.B. Bryn Mawr 1914.....New York City
Economics

BLANCHFIELD, EDWARD JOSEPH (n. m.).....Northampton, Mass.
Highway Engineering

BLANKENSTEIN, MARGARETE MARIA, B.S. 1898.....New York City
English

BLIEN, MARION LOUISE (n. m.), A.B. Texas 1909.....San Antonio, Tex.
Social Economy

BLISS, CLARA AMITY, B.S. Mount Holyoke 1898.....Newburyport, Mass.
Chemistry

BLISS, ELIZABETH HOWE, A.B. Smith 1908.....Worcester, Mass.
Social Economy

BLIVEN, EMMA ALMA, A.B. Smith 1908.....Yonkers, N. Y.
English

BLOOM, GEORGE, A.B. C. C. N. Y. 1910.....New York City
English

BLOOM, IRVING MORTIMER,.....Harrisonburg, Va.
A.B. 1908, B.D. Hebrew Union Coll. 1913
Psychology

BLOSSOM, JOHN EARLE, A.B. Wesleyan 1914.....Hawley, Pa.
Latin

BLOUNT, WILLIAM OSCAR, A.B. Baylor 1914.....Texarkana, Tex.
English

BLUM, THEODOR.....New York City
DD.S. Pennsylvania 1909, M.D. 1911, M.D. Vienna 1912
Anatomy

BLUM, VIVIENNE HENRIETTE, A.B. Hunter 1910.....New York City
Romance

BLUME, JULIUS.....New York City
Romance

BOAK, JOSEPH, JR., A.B. St. Stephens' College 1912.....New York City
History

BOAS, GEORGE, A.B., A.M. Brown 1913.....New York City
Philosophy, Psychology

BODLER, SOPHIA LOUISA, A.M. 1914, Ph.B. Chicago 1906.....Germania, Pa.
German, Comparative Literature

BOGGS, NORMAN TOWAR, A.B. Princeton 1904.....Chatham, N. J.
Philosophy, Comparative Literature

BOLGER, JULIA V., A.B. 1915.....New York City
History, Economics

BOLL, ARTHUR J.....New York City
German

BOMAN, JOHN SIDNEY, A.B. Missouri 1902.....New York City
Mathematics

BONBRIGHT, JAMES CUMMINGS, A.B. Northwestern 1913.....New York City
Economics, Sociology

BOND, RAYMOND TOSTEVIN, A.B. Wesleyan 1914.....New York City
English

BONFOEY, EMMA COMSTOCK, A.B. Smith 1902.....Centerbrook, Conn.
English

BONNEY, CLINTON HOWARD, A.B. Bates 1912.....Auburn, Me.
German

BOOGE, JAMES ELIOT.....New York City
Ph.G. State Univ. Iowa, 1909 Ph.C. 1910, A.B. 1914
Chemistry, Mechanical Engineering

BOON, HAROLD OWEN, A.B. St. John's 1911.....New York City
Philosophy

BORNICK, JACOB, B.S. N. Y. Univ. 1914.....New York City
Indo-Iranian

BOOTH, RUSSELL G., A.B. Illinois Wesleyan 1914.....Bloomington, Ill.
Philosophy

BOTSFORD, JAY BARRETT.....Mt. Vernon, N. Y.
History, Politics

BOURNE, AUGUSTUS OSBORN, JR.....Bristol, R. I.
A. M., 1908, LL.B. Washington, 1891, Bc.S. N. Y. Univ. 1905
Economics, Public Law, Sociology

BOWMAN, JOSEPH PRICE (n. m.), A.B. Bridgewater 1913.....Johnson City, Tenn.
Geology, Zoölogy

BOWMAN, NINA CLAIRE, A.B. Kansas 1893.....New York City
Latin, Classical Archaeology

BOYCE, W. SCOTT, A.B. Wake Forest 1903, A.M. Chicago 1907.....Selwin, N. C.
Economics, Sociology, History

BOYER, NORMAN, A.B. Johns Hopkins 1901.....New York City
History, Education

BOYSON, BELLE DOUGLASS, Ph.B. Syracuse 1911.....Knoxboro, N. Y.
History, Social Economy

BRADBEER, EVELYN BYRD, A.B. Syracuse 1913.....Mt. Vernon, N. Y.
History

BRADLEY, HARRIETT, A.B. Vassar 1913.....New York City
Economics, Sociology, History

BRADSHAW, MARION JOHN, A.B. Hiram 1911, A.M. 1912.....New York City
Philosophy, History, Psychology

BRADWIN, EDMUND WILLIAM, A.M. Queens Canada.....Wingham, Canada
Economics, Sociology

BRANHAM, VERNON, A.B. Denver 1913, M.S. 1914.....Denver, Colo.
Biological Chemistry

BRANNAN, THOMAS HAYS, C. E. Ohio State 1903.....Columbus, Ohio
Highway Engineering

BRAYTON, LOUISE, A.B. Michigan 1901.....Grand Rapids, Mich.
Latin

BRECHER, MARTHA WASHINGTON, A.B. Hunter 1915.....New York City
English

BREED, ETHEL BURNS, A.B. Vassar 1908.....Cornwall, N. Y.
English

BREITING, ROSE LOUISE, A.B. Hunter 1914.....New York City
English

BRENNECKE, HENRY CARL, A.B. 1914.....New York City
German

BRESSLER, HELEN B., A.B. Lebanon Valley 1905.....Lebanon, Pa.
English

BRETT, GEORGE MONROE, A.B. Bowdoin 1897.....New York City
Mathematics, Mathematical Physics

BRIDGMAN, CHARLES THORLEY, A.B. St. Stephens 1913.....New York City
Philosophy

BRIDGES, CALVIN BLACKMAN, B.S. 1912.....New York City
Zoölogy, Chemistry

BRIMHALL, DEAN R., A.B. Brigham Young 1913.....Provo City, Utah
Psychology, Education

BRISSENDEN, PAUL FREDERICK, A.B. Denver 1908, M.L. Calif. 1912. Los Angeles, Cal.
Economics, Sociology

BRITTAIN, AGNES MILNE, A.B. Hunter 1910.....New York City
English

BROCHES, LOUIS, B.S. Brooklyn Poly. Inst. 1914.....New York City
Chemistry

BROOKS, RAYMOND ERNEST, A.B. Colgate 1906.....East Orange, N. J.
Highway Engineering

BROWN, ALBERT MARION.....Wauseon, Ohio
Ph.B. Ohio State 1901, LL.B. Washington 1903, A.M. 1905
Zöology, Botany

BROWN, EDMUND, JR., A.B. Amherst 1912.....Norfolk, Conn.
History, Public Law

BROWN, ELMER LEONARD, A.B. Baker 1909.....Havana, Kansas
Sociology

BROWN, HERBERT AUSTIN, A.M. 1912, A.B. Valparaiso 1908.....East View, N. Y.
Social Economy

BROWN, ROBERT BERTRAND, A.B. Oberlin 1912.....New York City
Social Economy

BROWNE, ANNE GOODLOE, A.B. 1914.....Vaughan, N. C.
English

BRUYN, GERTRUDE, A.B. Mt. Holyoke 1914.....Kingston, N. Y.
Social Economy

BUCHSBAUM, NELL ELIZABETH, A.B. Hunter 1913.....New York City
Mathematics

BUCK, ROBERT WILLIAM, A.B. Butler 1914.....Indianapolis, Ind.
German

BULL, JAMES CHRISTY, JR., A.B. Princeton 1912.....New York City
History, Public Law

BÜLOW, SOPHIE IDA, A.B. 1914.....New York City
German

BUNZL, LUCILLE CAROLINE, A.B. 1914.....New York City
Social Economy

BURCH, CHARLES EATON, A.B. Wilberforce 1913.....St. George, Bermuda
English

BURGDORFF, FERD JOHN, B.S. Cornell 1914.....East Orange, N. J.
Agriculture

BURIAN, LUDVIK, A.B. Maryville 1914.....New York City
History

BURR, EMILY THORP, A.B. 1911, A.M. 1912.....New York City
Psychology, Sociology

BURR, FREEMAN FOSTER, A.M. 1913, B.S. Harvard 1900.....White Plains, N. Y.
Geology, Botany

BURR, HUGH CHAMBERLAIN, A.B. Princeton 1911.....Gloversville, N. Y.
Sociology

BURSTEIN, ABRAHAM, A.B. 1913.....Cleveland, Ohio
English

BURT, PAUL, A.B. Wesleyan 1913, A.M. 1914.....Buffalo, N. Y.
History

BUSSE, JOHANNA, A.B. Iowa State 1913.....Alden, Ia.
Physics

BUTKUS, HELEN AGATHA (n. m.), Ph.G. Brooklyn Coll. Pharm. 1912..New York City
Bacteriology

BUTLER, MARION EDWARDINE, A.M. 1914, A.B. Hunter 1913.....New York City
English, Comparative Literature

BUTTS, ALFRED BENJAMIN, B.S. Miss. Agr. & Mech. 1911, M.S. 1913, Artesia, Miss.
Politics, Public Law

BYRNE, MARGARET CECELIA, A.B. 1905, A.M. 1908.....New York City
Greek, Latin, Archaeology

CADY, VERNON MOSHER, B.S. California 1908, S.T.B. 1908.....New York City
Social Economy, Zoölogy

CAHN, ALICE BEER (n. m.), A.B. 1901.....New York City
History

CALDWELL, WALLACE EVERETT, A.B. Cornell 1910.....New York City
History, Greek

CALEF, MERLIN TAYLOR, B.S. Oregon State 1911.....Philadelphia, Pa.
Highway Engineering

CAMERON, WALTER SCOTT, A.M. 1912, A.B. C. C. N. Y. 1895....New York City
Botany, Physics

CAMP, JAMES L., JR., A.B. Wake Forest 1914.....Franklin, Va.
Economics

CAMPBELL, WILLIAM RALPH, n.m.....Worcester, Mass.
History

CAMPBELL, RUTH WEST, A.B. Wilson 1906.....New York City
History

CAPLES, EDITH JESSIE, A.B. 1904.....New York City
French

CARHART, EDMUND HANCE, JR., Ph.B. Lafayette 1914.....Belvidere, N. J.
History

CARPENTER, IDA MARY, A.B. Toronto 1909.....Hamilton, Ont., Canada
Social Economy

CARROLL, DUDLEY DEWITT, A.B. Guilford 1907, A.B. Haverford 1908, Guilford Coll., N. C.
Economics, Sociology, Public Law

CARSE, ELIZABETH, A.M. 1911, Ph.B. Cornell 1895.....New York City
Comparative Literature

CARSON, ALICE SCRIVEN, A.B. Converse 1910, A.M. 1911.....Spartanburg, S. C.
English

CARTER, LEYTON ELWIN, A.B. Oberlin 1914.....Brecksville, Ohio
Politics

CARY, LELAND PINKERTON, A.B. Ohio Wesleyan 1912.....Millersburg, Ohio
Social Economy

CARY, MYRON TREAT (n. m.), A.B. Wisconsin 1908, A.M. 1910...New York City
Sociology, Education, English

CASAMAJOR, MARTHA, A.B. Adelphi 1904.....New York City
Politics

CASHEN, ANNE DILLON, A.B. New Rochelle 1914.....New Rochelle, N. Y.
English

CASSIDY, ROBINSON A., A.B. Toronto 1901.....New York City
History, Public Law

CATLIN, LOUISE E., A.B. Smith 1881, A.M. 1885.....New York City
Social Economy

CAULKINS, EDWARD DANA, A.B. Rochester 1913.....Gowanda, N. Y.
Sociology, Philosophy

CAVE, MARGARET UPTON, A.B. Kansas State Normal 1913.....Hays, Kansas
Latin, Greek

CAVERT, WALTER DUDLEY, A.B. Union 1911.....Ballston Spa., N. Y.
Philosophy

CENTER, STELLA STEWART.....Forsyth, Ga.
A.M. 1913, A.B. Peabody Coll. 1901, Ph.B. Chicago 1911
English

CHAMBERS, KATE E., A.M. 1913, A.B. Bryn Mawr 1911.....New York City
Semitics

CHAMBERLIN, CAREY JUDSON, A.B. Harvard 1913.....Beverly, Mass.
Philosophy

CHAN, YEW YUNG.....Shanghai, China
Politics, Public Law, Economics

CHANDLER, ALICE BELLE, A.B. Vassar 1897.....St. Albans, Vt.
English

CHANDLER, HENRY ALFRED E., B.S. Northwestern 1905.....Tuscon, Ariz.
Economics, Sociology, Politics

CHANKIN, VICTOR, A.M. 1914, A.B. C. C. N. Y. 1911.....New York City
Romance, History

CHASE, CHARLES HARRY, B.S. 1913.....Newark, N. J.
Economics, Sociology, History

CHAVES, MAXIMILLIAN, LL.B. Universidad de Narino 1914, Pasto, Colombia, S. A.
Economics, Public Law

CHEN, KING YAON, B.S. Illinois 1913.....New York City
Chemistry

CHESLEY, CLAIR VINCENT, A.B. Bates 1912.....Auburn, Me.
English

CHIEN, CHIA HANG, B.S. National Univ. Pekin 1909, E.M. 1913...Hangchow, China
Metallurgy

CHILD, EMILY, A.B. Minnesota 1909.....Minneapolis, Minn.
Social Economy

CHIU, YAN TSZ, B.S. California 1913.....Hong Kong, China
Chemistry

CHOW, TSE KI (n. m.).....Peking, China
Public Law

CHU, CHIN, A.M. 1914, A.B. Wisconsin 1913.....Wu-sih, China
Economics, Sociology, Public Law

CHU, LOH, A.B. Wisconsin 1913.....Shanghai, China
Mathematics

CHU, VEE GIH, A.M. 1914, B.S. Illinois 1913.....Shanghai, China
Chemistry, Electrical Engineering

CHUN, TIENCHE CONKLIN, C.E. Lehigh 1914.....Shanghai, China
Public Law, Economics

CHUN, YEN SHON, Ch.E. 1914.....Canton, China
Economics, Mechanical Engineering

CHRISMAN, FRANCIS LÉON (n. m.), Ph.B. Cornell 1887.....Montclair, N. J.
History

CLANCEY, HELEN SHINE, A.B. Cincinnati 1904, A.M. 1906.....New York City
English, History

CLARK, DELBER WALLACE, A.B. Colby 1911.....Washburn, Me.
History

CLARK, DONALD LEMEN, A.M. 1912, A.B. DePauw 1911.....New York City
English, German

CLARK, ELIZABETH WOODRUFF (n. m.), A.B. Vassar 1908.....Springfield, Mass.
Social Economy

CLARK, ORAH DEE, A.B. Washington State 1906.....Seattle, Wash.
English

CLARK, STEPHEN CARLTON, LL.B. 1907, A.B. Yale 1903.....Cooperstown, N. Y.
Politics

CLAUSS, MARTHA, B.S. 1906.....New York City
French, German

CLEMENCE, STELLA RISLEY, Ph.B. Brown 1910.....New York City
Zoölogy

CLEMENT, MARY FLORENCE, A.B. Mt. Holyoke 1914.....Albany, N. Y.
Social Economy

CLEVELAND, EUNICE JEANNETTE, A.B. Michigan 1910.....Yonkers, N. Y.
English

CLOUGH, HARVEY BURNETT, A.B. Amherst 1906.....New York City
Biological Chemistry

COAD, ORAL SUMNER, A.M. 1911, A.B. Knox 1909.....Delaware, Ohio
English, Comparative Literature

COCHRAN, MARY BELLE, A.B. Western Maryland 1895.....Alexandria, Va.
English

COCKS, EDMUND, A.B. Swarthmore 1903, A.M. 1913.....Cornwall, N. Y.
Zoölogy, Botany

COFFIN, ISABELLE P., Ph.B. Syracuse 1904.....New York City
English

COHEN, HARRY (n. m.).....Norwich, Conn.
Semitics

COHEN, IRVING L.....New York City
B.S. C. C. N. Y. 1910, C.E. Brooklyn Poly. Inst. 1914
Physics

COHEN, JOSEPH LEWIS, A.B. Cambridge 1914.....Manchester, England
Economics, History

COHEN, SAMUEL, A.B. N. Y. Univ. 1913, A.M. 1914.....New York City
Social Economy

COHN, CAROLINE, A.B. 1914.....Orange, N. J
German

COIT, GERTRUDE, A.B. Smith 1913.....New London, Conn.
Sociology

COLE, HENRY DIX, A.B. 1913.....New York City
English

COLEMAN, WILLIAM ALFRED, A.B. Ursinus 1913.....Elmer, N. J.
History

COLLIER, ELIZABETH BROWNELL, A.M. 1911, A.B. Vassar 1906.....New York City
English, Comparative Literature

COLLIER, KATHARINE BROWNELL, A.B. Vassar 1908.....New York City
History

COLSON, RALPH BROWNELL (n. m.), A.B. Hamilton 1911.....Camden, N. Y.
Psychology

COLSON, WILLIAM NELSON (n. m.), A.B. Va. Union 1914.....Petersburg, Va.
Social Economy, Sociology

COMER, JOHN PRESTON, A.B. Trinity 1907.....Stamford, Texas
Politics, History

CONKLIN, WILLIAM DUNN, B.Litt. 1913, A.B. Rochester 1912.....New York City
Public Law

CONNOLLY, LILLIAN MARY, A.B. Hunter 1913.....New York City
History

CONZELMAN, JOSEPH HARRISON, B.S. Brown 1912.....Bristol, Conn.
Highway Engineering

COOKE, JOSEPHINE SOPHIE CLARK, A.B. 1908.....Elmira, N. Y.
History

COOKE, THOMAS FOWKE, M.E. 1914.....Buffalo, N. Y.
Physics

COOPER, BLANCHE (n. m.).....New York City
Bacteriology

COOPER, CLARENCE WINSTEN (n. m.), B.S. Alabama Poly. Inst. 1908..Oxford, Ala.
Highway Engineering

COREY, CLARENCE RAYMOND, E.M. Montana State Sch. of Mines 1905. Seattle, Wash.
Metallurgy

CORNELL, ETHEL LETITIA, A.B. Cornell 1914.....New York City
Psychology

CARYELL, EDNA D., B.S. 1914.....Berkeley, Cal.
History, Architecture

COTTON, SARAH JOHNSON, A.B. West Virginia 1901.....New York City
Sanskrit

COULTER, JOHN HARVEY, Ph.B. Syracuse 1910.....Greenwich, Conn.
English

COWGILL, BENJAMIN ROSS, Litt.B. Ohio Wesleyan 1911.....Delaware, Ohio
English

COX, GEORGE BENSON.....Ripley, Ont., Canada
A.M. 1911, A.B. Western Univ. (Canada) 1906, B.D. Trinity, Toronto, 1910
Sociology, Social Economy, Philosophy

CRAIK, CHARLES EWELL, JR. (n. m.).....Louisville, Ky.
Politics

CRANDALL, HAROLD WARREN, A.B. 1913.....New York City
History, Politics

CRANE, GEORGE JAMES, A.B. St. Johns 1914.....New York City
English

CRAWFORD, WILL C., A.B. Pomona 1913.....Pasadena, Cal.
Sociology, Education

CRIM, ADELAIDE, Ph.B. Syracuse 1908.....Richfield Springs, N. Y.
English

CRISSEY, GENEVIEVE, B.S. 1914.....Bloomfield, N. J.
English

CROCKER, NELLIE JOSEPHINE, B.S. 1907.....New York City
German

CRONIN, ELIZABETH SARAH, B.S. Iowa 1903.....Waukon, Ia.
Mathematics

CROSS, MARGARET ELSIE, B.S. Indiana Normal 1888.....New Orleans, La.
Social Economy, Philosophy

CROWELL, WILLIAM RANSOM, B.S. Mass. Inst. Tech. 1904.....Los Angeles, Cal.
Chemistry

CROYLE, HARLEY IRWIN, A.B. Drake 1913.....New Cambria, Kan.
Philosophy

CRUSINS, CARL FREDERICK.....Bensenville, Ill.
B.D. Hartford Theo. Sem. 1909, B.D. Union 1914
History

CULLEN, GLENN ERNEST, A.B. Michigan 1912, B.Ch.E. 1913.....New York City
Physiological Chemistry, Chemistry

CUMMING, ALLAN GORDON, A.M. Queen's Canada 1911.....Ottawa, Canada
Latin, Greek

CUMMINGS, ARTHUR ROLAND, B.S. 1912.....New York City
Sociology

CUMMINGS, STANLEY, A.B. Yale 1912.....Plantsville, Conn.
Philosophy

CURRY, ZULA LEE (n. m.), A.B. Mississippi 1908.....Laurel, Miss.
German

CURTISS, CHARLES DWIGHT, B.S. Mich. Agr. 1911.....Camden, Mich.
Highway Engineering

CURTIS, EUGENE NEWTON, A.B. Yale 1901, A.M., B.D. Harvard 1904, New York City
History, Politics, Economics

CURTISS, GEORGE WARREN, B.S. 1913, M.E. Cornell 1912.....Tarrytown, N. Y.
History, Philosophy

CUSHMAN, ROBERT EUGENE, A.B. Oberlin 1911.....Akron, Ohio
Politics, Public Law, Economics

DANHEISER, RUTH VIVIENNE, A.B. Hunter 1913.....New York City
English

DARLINGTON, GILBERT STERLING BANCROFT, A.B. 1909.....Harrisburg, Pa.
Philosophy, English, Psychology

DAVIES, THOMAS, A.B., A.M. King's Coll. (Can.) 1899.....Hasbrouck Heights, N. J.
Philosophy, History

DAVIS, HELEN BISSING, A.B. Nebraska 1911.....Lincoln, Neb.
Chemistry

DAVIS, JEROME DWIGHT, A.B. Oberlin 1913.....Oberlin, Ohio
Social Economy

DAVIS, MARTHA MABEL, A.B. Smith 1911.....New York City
English

DAVITT, JOHN W.....Troy, N. Y.
Highway Engineering

DAWSON, ANDREW IGNATIUS.....New York City
Bacteriology

DEARDEN, EDWINA MARY.....New York City
Geology

DEBATIN, FRANK MICHAEL, A.B. Washington 1912, A.M. 1913....St. Louis, Mo.
Greek, Latin, Archaeology

DEBRA, ARTHUR HAYWOOD, A.B. Cornell Ia. 1911.....Cameron, Mo.
Psychology, Education, Philosophy

DECKER, ALICE MABEL, A.B. Wellesley 1909.....East Orange, N. J.
History

DEITSCH, ADÉLE JOAN (n. m.).....New York City
History

DEMARIA, ANNA GERMAINE, A.B. Hunter 1912.....New York City
French

DE NISE, CARRIE LOUISE, Ph.B. Grinnell 1900.....Burlington, Ia.
Sociology

DENNISTON, MARY, B.S. 1912, A.M. 1914.....New York City
Psychology, Education

DE PREE, HENRY PETER, A.B. Hope Coll. 1902, B.D. Princeton 1905..Palisade, N. J.
Chinese

DERBY, ALICE HARRIET, Ph.B. Vermont 1902.....Burlington, Vt.
English

DEVLIN, FRANK BRAITHWAITE, A.B. 1910, A.M. 1914.....Yonkers, N. Y.
Economics, Education, History

DEUTSCH, ESTELLE, A.B. Hunter 1909.....New York City
English

DEWEY, EVELYN, A.B. 1911.....New York City
Psychology

DEWEY, HORACE ELLIOTT, A.B. Ohio Wesleyan 1913.....Clyde, Ohio
Philosophy

DIBBLE, ROY FLOYD, A.B. Clark 1912.....Westfield, N. Y.
English

DIEBOLT, ALFRED LEO, B.S. 1915.....Buffalo, N. Y.
Sociology

DOMEN, TOYONOBU (n. m.), B.S. Ohio Northern 1914.....Hiroshima-Ken, Japan
Economics, Sociology

DONOGHUE, THOMAS WELDON, A.B. Yale 1914.....Hartford, Conn.
English

DONOHUE, JOHN JOSEPH, B.S. 1913.....New York City
English

DONOUGH, AGNES LEAYCRAFT, A.B. 1901.....New York City
Sociology

DONVAN, WALTER JAMES V., B.S. C. C. N. Y. 1908.....New York City
Biological Chemistry

DOUGHERTY, IRENE STEPHANIE, A.B. Hunter 1911.....New York City
Biological Chemistry

DOUGINE, GENEVIEVE NAVARRE.....New York City
A.B. Hunter 1904, B.S. N. Y. Univ. 1915
English

DOUGLAS, GEORGE HARLEY, A.B. Maryville 1913.....Leeds, Mass.
Social Economy

DOUGLAS, PAUL HOWARD, A.B. Bowdoin 1913.....Ithaca, N. Y.
Economics, History, Sociology

DOUGLASS, LOIS HALER (n. m.), A.B. Goucher 1911.....McKeesport, Pa.
History

DOYLE, MARY ELIZABETH, A.B. Hunter 1914.....New York City
Latin

DRACHMAN, JULIAN MOSES (n. m.).....New York City
English

DRACHSLER, JULIUS, B.S. C. C. N. Y. 1912.....New York City
Sociology, Social Economy, Psychology

DUBOIS, JOHN HAROLD, A.B. Whitman 1914.....Spokane, Wash.
Public Law

DUBS, HOMER HASENPFLUG, A.B. Yale 1914.....Changsha, China
Philosophy

DUFFIELD, ELSIE REEVES, A.B. Syracuse 1911.....Williamstown, Mass.
Biology

DUFFY, ANNA, A.B. New Rochelle 1913.....New York City
English

DUNAEW, EDITH DONNERBERG (n. m.).....New York City
Philosophy, Journalism

DUNBAR, RUTH (n. m.), A.B. Whitworth 1905.....Seattle, Wash.
English

DUNCAN, FREDERICK NEWTON (n. m.).....Flat Rock, Ill.
A.B., A.M. Indiana 1901, Ph.D. Clark 1906
Biology

DUNN, JUNG TSOONG, A.B. Wisconsin 1914.....Soo Chow, China
Public Law

DURANT, WILLIAM JAMES (n. m.).....New York City
Psychology

DURANT, WILLIAM JAMES, A.B. Peter's 1907, A.M. 1908.....New York City
Psychology, Zoölogy

DURFEE, CLAYTON GEORGE, B.S. 1905.....New York City
English, Education

DURFEE, HENRY GREELEY, A.B. Williams 1907.....New Rochelle, N. Y.
History

DUSTIN, BELLE FRANCES (n. m.), A.B. Vassar 1909.....Malone, N. Y.
Social Economy

DUTCHER, ELLA WOODRUFF, A.B. Adelphi 1914.....Passaic Park, N. J.
French

DWYER, HELEN ELIZABETH, A.B. 1914.....New York City
English

DYKE, ESTELLE DARRAH, A.B. Leland Stanford 1896.....New York City
Social Economy

DYSON, WALTER, A.B. Yale 1905, A.M. Chicago 1913.....Washington, D. C.
History, Economics

ECKERT, FRED WILLIAM, B.S. Northwestern 1913, A.M. 1914.....Chicago, Ill.
Economics, Sociology, Politics

EDWARDS, CLARA CARY, A.B. Bryn Mawr 1904.....Hamadan, Persia
Indo-Iranian

EFFINGER, ROBERT CRAIG, B.S. Virginia 1914.....New York City
Economics

EFROS, ISRAEL ISAAC, A.M. 1914, A.B. N. Y. Univ. 1913.....New York City
Semitics, Philosophy

EGLOFF, GUSTAV, A.M. 1913, A.B. Cornell 1912.....New York City
Chemistry

EISENBERG, ISADORE P., A.M. 1913, A.B. C. C. N. Y. 1911.....New York City
Sociology, Economics, History

ELDER, JANE, A.B. Mt. Holyoke 1905.....Lewistown, Pa.
German

ELETZ, ANNA, A.B. Hunter 1912.....New York City
History

ELETZ, BERTHA, A.B. Hunter 1912.....New York City
Comparative Literature

ELLIOTT, ALBERT BENTON, A.B. Ohio Wesleyan 1914.....New York City
Economics

ELLIS, BEULAH NOWLAND, Ph.B. Chicago 1908.....St. Louis, Mo.
English, Education

ELLIS, WILLIAM JOHN, A.B., A.M. Hobart 1914.....Morrisville, N. Y.
Sociology

ELSASSER, HENRY WOLFGANG, B.S. 1912, E.E. 1914.....New York City
Physics

ELSTEIN, CHARLES, A.B. 1914.....New York City
French

ELY, CATHERINE BEACH, A.B. Oberlin 1894, A.M. 1901.....New York City
French, German, Comparative Literature

EMDUNG, HANNAH DUNLOP, A.B. Smith 1904.....New York City
Economics

EMMONS, MARTHA, A.B. 1912, A.M. 1914.....New York City
English, History

ENGEL, EMANUEL RALPH, A.B. N. Y. Univ. 1912, A.M. Cornell 1913..New York City
Philosophy, Education

EPPLEY, MARION (n. m.), B.S. Princeton 1906, A.M. 1912.....Princeton, N. J.
Chemistry

EPSTEIN, LOUIS, B.S. N. Y. Univ. 1914.....New York City
History

ERICKSON, JOHN AVENT, A.B. St. Lawrence 1913.....New York City
History

ERNST, FLORENCE CORDELIA, A.B. 1908.....New York City
Psychology

EVANS, ELIDA (n. m.).....New York City
Anthropology, Psychology

EVANS, MARTHA (n. m.).....St. Louis, Mo.
Psychology

EVANS, WARD VINTON, Ph.B. Franklin & Marshall 1907.....Rawlinsville, Pa.
Chemistry, Physics

EYLES, CLARA EMERY.....Newark, N. J.
History

EYSTER, ELIZABETH MARY, A.B. Wilson 1912.....Chambersburg, Pa.
History

FARIES, JOHN CULBERT, A.M. 1913, A.B. Minnesota 1889.....New York City
Social Economy, Sociology, Economics

FARR, CLIFFORD HARRISON, A.B. Iowa State 1911, M.S. 1912.....Iowa City, Ia.
Botany, Biological Chemistry

FARR, JESSIE VIOLET, A.B. Indiana 1909.....Van Buren, Ind.
Chemistry

FARRELL, MARGUERITE MARIE, A.B. Mt. St. Vincent 1914.....New York City
English

FAULWETTER, ROY C., A.B. Miami 1912.....Ithaca, N. Y.
Botany, Bacteriology

FATMAN, ELINOR JOAN, A.B. Vassar 1913.....New York City
History

FAULKNER, HAROLD UNDERWOOD, A.B. Wesleyan 1913.....Madison, N. J.
History

FAULKS, GRACE LANDON, Ph.B. Syracuse, 1907.....Chatham, N. J.
English

FAUST, CHARLOTTE CLEMENTINE, A.M. 1909, A.B. Cornell 1905....New York City
German

FEELEY, VERA ELIZABETH, A.B. 1913.....New York City
History

FEINSTEIN, ABRAHAM, A.B. C. C. N. Y. 1914.....New York City
Sociology

FELEKY, ANTOINETTE, B.S. 1913.....New York City
Psychology

FELLOWS, LOUISE GENEVIEVE, A.B. Middlebury 1911.....Wells River, Vt.
German

FENN, IRWIN HENRY, E.E. Brooklyn Poly. Inst. 1908, M.S. 1910....New York City
Mathematical Physics, Mathematics

FERGUS, ROBERT CARTHEL, B.S. Tennessee 1911.....Knoxville, Tenn.
Highway Engineering

FERGUSON, GEORGE OSCAR, A.M. 1911, A.B. Williams May 1907...Williamsburg, Va.
Psychology, Philosophy, Education

FERNCHILD, WILLIAM HENRY, A.B. C. C. N. Y. 1911.....New Rochelle, N. Y.
History

FERRIN, LIVIA ELLA, A.B. Pacific 1906.....Upper Montclair, N. J.
Mathematics

FICHTER, WILLIAM LEOPOLD, B.S. 1914.....New York City
German

FIEBIG, ANNA FRANCES, A.B. Hunter 1913.....New York City
German

FINCK, EDGAR MOORE, Litt.B. Princeton 1910, A.M. 1912.....Arlington, N. J.
German

FINE, NATHANIEL M., A.B. 1913.....New York City
English

FINGLAND, WILLIAM, A.B. Toronto 1912, A.M. 1913.....Witmer, Ont. Canada
Economics, History

FISCHER, GEORGE WILLIAM, B.S. C. C. N. Y. 1913.....New York City
Mathematics

FISHER, LIZETTE ANDREWS, A.M. 1912.....New York City
Comparative Literature

FISHWOOD, HALLEY MENNEN, B.S. Nebraska 1914.....Lincoln, Neb.
Highway Engineering

FISK, DANIEL MOORE, B.S. 1910.....New York City
Economics

FITT, FRANE, A.B. Williams 1911, B.D. Union Theo. Sem. 1914..East Northfield, Mass.
Sociology

FITZPATRICK, ELIZABETH TIERNEY, A.B. Hunter 1913.....New York City
Zoölogy

FITZPATRICK, FRANCIS STUART, A.B. Trinity 1914.....Olean, N. Y.
Politics, Public Law, History

FITZSIMONS, ISABELLE VIRGINIA, A.B. Hunter 1915.....Weehawken, N. J.
English

FLEISHER, FLORENCE LOEB (n. m.).....New York City
Sociology

FLEMING, EDITH JOSEPHINE, A.B. 1913.....New York City
History

FLOURNOY, FRANCIS ROSEBRO.....Bethesda, Md.
A.M. 1912, A.B. Washington & Lee 1905
History, English

FLYE, JAMES HAROLD, A.B. Yale 1910, A.M. Virginia 1912.....Winter Park, Fla.
History

FOLEY, MARIE JOSEPHINE (n. m.).....New York City
English

FORBES, HOWELL, Litt.B. Princeton 1913.....Morristown, N. J.
Comparative Literature

FORSTER, HARVEY GEORGE, A.B. Toronto 1913.....York, Ont. Canada
Sociology

FOX, DONALD FREDERIC, A.B. Pomona 1914.....Pasadena, Cal.
Economics

FRANK, JEANETTE, A.M. 1913, A.B. Hunter 1912.....New York City
Geology, Botany

FRANKE, CLARA ELSA, B.S. 1907, A.M. 1908.....New York City
German

FRANKHAM, CHARLES R.,.....New York City
LL.M. 1914, A.B. Otterbein 1896, A.M. Ohio State 1903, LL.B. 1904
Constitutional Law, Roman Law and Comparative Jurisprudence, Corporations

FREESTON, MARY CECIL (n. m.).....Oswego, N. Y.
English

FRENCH, CLAYTON THOMAS ARCHIBALD.....New York City
LL.B. 1910, LL.M. 1913, A.M. 1914, A.B. N. Y. Univ. 1907
Economics, Sociology, History

FRENCH, HELEN TOPPING (n. m.), A.M. 1903, A.B. Oberlin 1898.....New York City
Comparative Literature, English

FRERICHS, FREDERICK WILLIAM, JR., B.S. Washington 1910.....St. Louis, Mo.
Chemistry, Physics

FREYRE, FERNANDO, D.C.L. Havana 1912.....Havana, Cuba
Roman Law and Comparative Jurisprudence

FRIEDMAN, BELLA, A.B. Hunter 1913.....New York City
German

FRIES, CATHARINE CARRIE, A.B. 1915.....New York City
Social Economy

FRIES, LORENA LEE, A.B. West Virginia 1909.....Berkeley Springs, W. Va.
English

FRISCH, EPHRAIM, A.B. Cincinnati 1903.....New York City
Semitics

FRY, WILLIAM CLINTON, JR., C.E. Lehigh 1913.....Reading, Pa.
Highway Engineering

FUCHS, SAMUEL ALEXANDER, B.S. 1907.....New York City
Economics

FULLER, BERT CORNELIUS, A.B. Cornell 1894, LL.B. 1895.....New York City
Economics, Politics, Public Law and Comparative Jurisprudence, History

FULLER, LOUISE STETSON, A.M. 1905, A.B. Smith 1904.....Bath, Me.
History, Economics

FULLERTON, GWENDOLINE MARY.....Port Williams, N. S.
A.B. Acadia Coll. 1911, A.M. 1912
Latin

FUNKHOUSER, ABRAM PAUL, B.S. Otterbein 1882, A.M. 1897....Harrisonburg, Va.
Sociology

FUSFELD, IRVING, B.S. 1915.....New York City
History

GABY, WALTER EDWARD, B.S. Utah 1914.....Salt Lake City, Utah
Geology

GALBRAITH, RICHARD WILLIAM, A.B. Univ. of the South 1911...Waverly Mills, S. C.
Latin

GALT, JEANNETTE RACHEL, A.B. Lake Forest 1904.....Marion, Va.
Latin

GALT, SARA ELIZABETH, B.S. 1908, A.B. Wilson 1905.....Terre Hill, Pa.
History

GARDINER, ETHELWYNNE POTTER, A.B. Mills 1904.....New York City
History

GARRETT, LOGAN EMORY (n. m.), A.B. Milligan 1911.....Rose Hill, Va.
English

GARRETT, PAUL WILLARD, A.M. 1914, B.S. Whitman 1913.....Wenatchee, Wash.
Public Law, Politics, History

GARWOOD, LYNN EUGENE, A.B. Otterburn 1908, A.B. Wisconsin 1912..Nutley, N. J.
History

GAVIN, FRANK, A.M. 1914, A.B. Cincinnati 1912.....Cincinnati, O.
Semitics

GAVIN, HELEN, A.M. 1914, A.B. Hunter 1909.....New York City
Physiology

GEER, HELENA, A.B. Cornell 1903.....New York City
German, French

GEISLER, LOUIS RAPHAEL, A.B. Oregon 1912.....Portland, Ore.
Public Law

GELBIN, OLGA, A.B. Hunter 1913.....New York City
French

GIBBS, LAURA RUSSELL, B.L.S. Illinois 1902.....Wareham, Mass.
History

GILBERT, RUTH, A.B. Colorado 1907, A.M. 1910.....New York City
Bacteriology, Zoölogy

GILBERT, WILLIAM WILLIAMS, B.S. Vermont 1904, M.S. 1909.....Washington, D. C.
Botany, Zoölogy

GILL, GEORGE EVERETT, A.B. Indiana 1912.....Bloomington, Ind.
Economics

GILLMAN, ETTA JUDITH COHEN, A.B. Western Reserve 1914.....Cleveland, O.
Psychology

GILLESPIE, JAMES PACKARD.....New York City
A.B. 1905, A.M. 1911, B.D. Union Theo. Sem. 1907
Sociology, Economics, History

GILLMAN, JOSEPH MOSES, A.B. Adelbert 1913.....Cleveland, O.
Sociology

GILMORE, FLOY VICTORIA.....Seattle, Wash.
A.B. Washington 1910, LL.B. Michigan 1901
Social Economy, Sociology

GILTNER, EMMETT E., A.M. 1907, A.B. Indiana 1904.....New York City
History, Education

GITTELSON, WILLIAM, A.B. C. C. N. Y. 1909.....New York City
English

GIVENS, WILLARD EARL, A.B. Indiana 1913.....Anderson, Ind.
Sociology

GLASSBERG, BENJAMIN, A.M. 1914, A.B. C. C. N. Y. 1910.....New York City
Social Economy, Economics, History

GLENN, ROBERT CRAIG, A.B. Lenoir 1907, A.M. North Carolina 1914..Gastonia, N. C.
Economics

GODDARD, ANNIE CELESTINE, A.B. Smith 1912.....New York City
Chemistry

GOEBEL, JULIUS LUDWIG, JR., A.B. Illinois 1912, A.M. 1913.....Urbana, Ill.
Public Law, History

GOETZ, HERBERT, B.S. C. C. N. Y. 1908.....New York City
German

GOETZ, OTTO FRANK (n. m.).....Memphis, Tenn.
Highway Engineering

GOLDBERG, JACOB ALTER, A.B. C. C. N. Y. 1914.....New York City
Social Economy

GOLDBERG, NELLIE ELEANORE, A.B. Hunter 1912.....New York City
Latin

GOLDSMITH, BEATRICE, A.B. Adelphi 1906.....New York City
Politics

GOLDSTEIN, HERBERT SAMUEL, A.B. 1911, A.M. 1913.....New York City
Semitics, Ethics

GOLDSTEIN, ISRAEL, A.B. Pennsylvania 1914.....Philadelphia, Pa
History

GOLDSTONE, EDWIN GERALD, A.B. Cornell 1914.....New York City
History

GOODHART, MARJORIE WALTER, A.B. Bryn Mawr 1912.....New York City
Public Law

GOODMAN, ARTHUR, B.S. C. C. N. Y. 1909.....New York City
Mathematics

GOODWIN, ETHEL LIZZIE, A.B. 1909, A.M. 1910.....New York City
Economics, Sociology, Psychology

GOODWIN, WALTER SCOTT (n. m.).....New York City
Psychology

GORDEN, MABEL, A.B. Adelphi 1914.....New York City
History

GORDON, HARRY ZACHARY, A.B. N. Y. Univ. 1914.....Detroit, Mich.
Indo-Iranian

GORDON, LULA ELIZABETH, A.B. Washington 1911, A.M. 1913.....St. Louis, Mo.
Social Economy, Sociology, History

GORHAM, JAMES HENRY (n. m.), A.B. Princeton 1913.....New York City
History

GOSNELL, FRANK LEMUEL, A.B. Rochester 1914.....Rochester, N. Y.
History

GOTTHEIL, MILDRED (n. m.).....New York City
History

GOTTLIEB, LOUIS, A.B. Rochester 1914.....Rochester, N. Y.
Economics

GOTTSCHALL, ROBERT JACOB, A.B. Pennsylvania 1912.....Adamstown, Pa.
Sociology

GOULD, RUSSELL LOWELL, A.B. Wesleyan 1913.....Bayonne, N. J.
Psychology

GOURVITCH, ALEXANDER CHLEMA, Licence ès lettres, Paris 1913.....New York City
Economics

GOWDY, JOHN, A.B. Wesleyan 1897, B.D. Drew 1902.....Foochow, China
History

GRAHAM, MARGARET A., Ph.D. Cornell 1913.....Jersey City, N. J.
Botany

GRAHAM, MARY C. (n. m.), A.B. Hunter 1906.....New York City
Mathematics

GRAHAM, WALTER JAMES, A.M. 1912, A.B. Bates 1911.....Topsham, Me.
English, Comparative Literature
GRAYDON, GERTRUDE MURIEL, A.B. Toronto 1912.....Toronto, Canada
Social Economy
GREEN, HELEN SHOLES, A.B. Vassar 1912.....Morrison, Ill.
Chemistry
GREEN, LAURA CAROLINE, A.M. 1913, A.B. Wellesley 1893.....Granville, O.
Latin, Greek, Roman Archaeology
GREEN, ROY MELVIN, B.S. Nebraska 1914.....McCook, Nebr.
Highway Engineering
GREENBERG, JACOB, A.M. 1908, A.B. C. C. N. Y. 1904.....New York City
Psychology
GREENE, STANLEY RIDDELL, A.B. Colgate 1910.....Hamilton, N. Y.
English
GREENBERG, ISABEL, B.S. 1914.....New York City
Chemistry
GREENSPAN, SARAH S., A.B. Hunter 1914.....New York City
Zoölogy
GREENWALD, GERTRUDE VICTORIA, A.B. 1914.....Mt. Vernon, N. Y.
English
GRIFFITHS, BUSSEY, A.B. Vassar 1901.....New York City
English
GRIGGS, MARY AMERMAN, A.B. Vassar 1908.....Somerville, N. J.
Chemistry, Physics
GRIMSHAW, HENRY EWART, B.S. 1914.....Garden City, N. Y.
History
GROSS, BENJAMIN (n. m.), M.D. Jefferson Medical Coll. 1907.....New York City
Sociology
GROSSMAN, SAMUEL SPENCER, A.B. Pennsylvania 1913.....Philadelphia, Pa.
English
GROTE, LILLIE KATHERINE, A.B. Hunter 1913.....New York City
History
GUSTAFSON, FLOYD WILLIAM, A.B. Grinnell 1913.....Fort Dodge, Ia.
History
GUSTAFSON, WALTER WILLIAM, A.M. 1913, A.B. Upsala 1912....Kenilworth, N. J.
English, Comparative Literature
GUTTENBERG, BERTHA, A.B. Hunter 1913.....New York City
English
HAEBERLIN, HERMAN KARL.....Düsseldorf, Germany
Anthropology, Linguistics, Psychology
HAGUE, FLORENCE AMELIA, A.B. Smith 1909.....Newark, N. J.
History
HALE, HARRIETT LOUISE, A.B. Mt. Holyoke 1900.....Ottumwa, Ia.
History
HALE, ROBERT LEE, A.B. Harvard 1906, A.M. 1907, LL.B. 1909.....New York City
Economics, Sociology, Public Law
HALL, JOHN OSCAR, A.B. Denver 1903, A.M. 1904.....Superior, Wisc.
Sociology
HALLOCK, ANNA COBB, A.B. 1912.....New York City
Economics
HALLOCK, FRANCES ADELIA, A.M. 1914.....New York City
Botany, Zoölogy
HALPERIN, HILLEL, E.E. Liège 1908.....New York City
Mathematics
HAMLIN, JULIAN DELAMATER, A.B. Williams 1913.....Chicago, Ill.
Philosophy

HANNAN, WALTER SHERLOCK, B.S. N. Y. Univ. 1910.....New York City
Physics

HARADA, TAMEZO, B.D. Drew 1910, B.D. Union 1912.....Kutami, Japan
Philosophy

HARBESON, JOHN WESLEY, A.B. Kansas 1911.....Lawrence, Kans.
Economics

HARDY, RUTH GILLETTE, A.B. 1909, A.M. 1911.....New York City
History, Sociology

HARDY, SARAH DROWNE BELCHER.....New York City
A.B. Boston 1887, M.D. Woman's Med. 1891, A.M. N. Y. Univ. 1899, LL.B. 1901
Social Economy

HARMELIN, TONY, A.B. Hunter 1915.....New York City
English

HARNAR, FRANK EMERY, A.B. Hiram 1914.....Newton Falls, O.
Sociology

HARRINGTON, WALTER GARDINER, B.S. Brown 1911.....New York City
Highway Engineering

HARRIS, CLARENCE PEAVY, Chemist 1914.....New York City
Chemistry, Medicine

HARTWELL, FRED WILLIAM, B.S. Syracuse 1905.....New York City
Biochemistry, Zoölogy

HATCH, RICHARD ALLEN, A.B. Washington 1913.....St. Louis, Mo.
Sociology

HATT, EMELIA DEMANT (n. m.).....Copenhagen, Denmark
Anthropology

HATT, GUDMUND, Ph.D. Copenhagen 1914.....Copenhagen, Denmark
Anthropology

HAUCH, EDWARD FRANKLIN, A.M. 1909, A.B. Toronto 1907.....Brunswick, N. J.
German, English

HAUPERT, PAUL FREDERICK.....Wooster, O.
Economics

HAUSER, JOHN ODELL, A.B. 1909.....New York City
Music

HAWLEY, CLARENCE OWEN, A.B. Drake 1912, A.M. 1913.....Paw Paw, Mich.
Philosophy

HAYES, CARY WALKER, A.M. 1912, A.B. Washington 1909.....Cresskill, N. J.
Social Economy, Ethics, Economics

HAYNES, CAMPBELL BRYCE, A.B. Wofford 1912.....Spartanburg, S. C.
Sociology

HAZLETON, FRANK LOYD, B.S. Whitman 1914.....Bellingham, Wash.
Public Law

HAZZARD, STANLEY BURTIS, A.B. Colgate 1914.....Mt. Vernon, N. Y.
Sociology

HEADRICK, WILLIAM CHERRY (n. m.).....North Chattanooga, Tenn.
Sociology

HEADY, JOHN HENRY, A.B. Hobart 1901, A.M. Indiana 1907.....New York City
Sociology, Economics, Anthropology

HEALY, JOSEPH X., A.B. C. C. N. Y. 1912.....New York City
English

HEATON, HARRY CLIFTON, A.B. Yale 1907.....New York City
German, French

HECKEL, PAUL FREDERICK.....New York City
Philosophy

HEDGES, RALPH ELLIOTT, A.B. Oberlin 1912.....Lancaster, O.
History

HEINONEN, HENRY JALMAR, A.B. Toronto 1913.....Toronto, Canada
Highway Engineering

HEIMSOTH, JOSEPH WILLIAM.....New York City
LL.B. N. Y. Univ. 1910, LL.M. 1911, B.S. 1913
Economics

HEINTZE, OTTO JOSEPH (n. m.).....New York City
German, History

HELLMAN, HILDA EMILY, A.B. 1901, A.M. 1902.....New York City
Comparative Literature

HELLSTROM, CARL IVAR, A.B. Yale 1912.....Hartford, Conn.
Philosophy

HENDERSON, HAZEL, A.B. 1907.....New York City
English

HENDLEY, CHARLES JAMES, A.B. North Carolina 1905.....Elmwood, N. C.
History, Education

HENRY, MARGARET YOUNG (n. m.).....Jersey City, N. J.
A.B. Wellesley 1897, A.M. N. Y. Univ. 1899
French

HERITAGE, MARY HILL, A.B. Minnesota 1910.....Hudson, Wis.
English

HERRETT, LLOYD FRED, B.L. Ohio Wesleyan 1913.....Lima, O.
Economics

HERRMANN, ANNA LOUISE, A.B. 1910.....New York City
German

HERRMANN, SENTA, A.B. 1906, A.M. 1907.....New York City
Philosophy, German

HERSHKOWITZ, HARRY, B.S. C. C. N. Y. 1912.....New York City
German

HERSON, OTTO, B.S. 1915.....New York City
Psychology

HEUERMANN, HELENA F., A.M. 1910, A.B. Adelphi 1902.....New York City
German, French

HEWSON, MARY A., B.S. 1913.....Rochester, N. Y.
English

HIGBY, CHESTER PENN, A.B. Bucknell 1908, A.M. 1909.....Fairmount, W. Va.
History, Economics

HIGGINS, FRANCES CALDWELL, B.S. 1912, A.B. Shorter Coll. 1894....Selma, Ala.
English

HIGLEY, MERLE, A.B. Minnesota 1911.....Minneapolis, Minn.
Social Economy

HILBORN, RITA, A.B. 1913.....New York City
French

HILDENBRAND, JOHN, JR. (n. m.).....New York City
Geology

HILL, ANTOINETTE DYETT, A.B. 1910, A.M. 1911.....New York City
Mathematics, Physics, Education

HILL, KATHARINE LEDYARD, A.B. Wells 1904.....Newport, R. I.
History

HILLS, JAMES AARON.....Madison, N. J.
A.B. Oberlin 1911, A.M. N. Y. Univ. 1913, B.D. Drew 1913
Psychology, Education

HINGSBERG, OLGA HELENE, A.B. Hunter 1915.....New York City
Botany

HIRSHENSON, BENJAMIN HARRY, E.M. Stevens 1909.....Hoboken, N. J.
Physics

HIRSCHENSOHN, TAMAR, A.B. Hunter 1913.....Hoboken, N. J.
Latin

HOCHSCHILD, GERTRUDE, A.B. 1915.....New York City
Economics

HODGE, EDWIN THOMAS, A.M. Minnesota 1914.....New York City
Geology, Physiography

HOFFMANN JACOB, A.B. C. C. N. Y. 1910.....New York City
Chemistry

HOKE, CALM MORRISON, A.M. 1913, B.S. Chicago 1912.....Palisade, N. J.
Chemistry

HOLCKE, HARRIET AUGUSTA, A.B. St. Lawrence 1905.....New York City
German

HOLDER, RUFUS ERASMUS (n. m.), A.M. Bethel Coll. 1896.....New York City
Psychology

HOLMES, ALICE M.....Eastport, Me.
B.S. Mt. Holyoke 1895, B.D. Hartford Theo. Sem. 1899
History, Philosophy, Sociology

HOLZ, MARGARET BRÜNHILDE.....New York City
German

HOLZ, SOPHIE, B.S. 1915.....New York City
German

HOLZINGER, JOHN J., A.B. 1915.....New York City
German

HOLZWASSER, FLORRIE, A.B. 1914.....New York City
Geology

HOOVER, MERLE MONTGOMERY, A.M. 1911, A.B. Lebanon Valley 1906.New York City
English, Education

HOPKINS, EMMA BARKSDALE, B.S. 1907.....New York City
History

HOPKINS, MARY MURRAY, A.B. Smith 1899, A.M. 1911.....New York City
Astronomy, Physics, Mathematics

HORN, CLARA KEE, A.B. Lebanon Valley 1913.....Red Lion, Penn.
Mathematics

HORST, MILES, B.S. Penn State 1914.....Schaefferstown, Pa.
Economics

HOUGH, HELEN DEXTER, A.B. Goucher 1907.....Phillipsburg, N. J.
English

HOUGH, JEAN WINIFRED, A.M. 1914, A.B. Smith 1897.....Lebanon, N. H.
Germanic Languages and Literatures, Romance Languages

HOWE, MABEL ALMY (n. m.).....New York City
History

HOWELL, MARY HARRISON, A.B. Wells 1896.....Newark, N. J.
German

HOXSEY, GORDON DOUGLAS.....New York City
A.M. 1910, A.B. Hobart 1904, B.D. General Theo. Sem. 1911
History, Philosophy

HOYT, ALICE GARDNER (n. m.), B.L. California 1910.....Oakland, Cal.
Sociology

HSIEH, YING PO (n. m.).....China
Politics

HSU, CHIH, B.S. Illinois 1910, A.M. Pennsylvania 1912.....Canton, China
Economics, Sociology, History

HUBBARD, BELA, B.S. 1914.....Woods Hole, Mass.
Geology

HUBBARD, FLOYD MORSE, A.B. Colgate 1905.....New York City
Public Law, Economics

HUBBELL, JAY BROADUS, A.B. Richmond 1905, A.M. Harvard 1908..State Road, N. C.
English, Comparative Literature

HUGUENIN, CHARLES, A.M. 1914, B.S. Ecole Normale, Neuchatel 1902.New York City
French, Romance Philology

HULL, LOTTIE MAY, B.S. Middlebury 1903.....Shoreham, Vt.
Bacteriology

HUMMER, EDNA CAROLYN, A.B. New York State Coll. for Teachers 1911, Ravena, N. Y.
Latin

HUNSAKER, ANDREW FRANKLIN, A.B., A.M. Illinois 1909.....New York City
Public Law, Politics, History

HUNSDON, ELEANOR CARY, A.B. 1908, A.M. 1911.....New Rochelle, N. Y.
History, Latin

HUNT, EMMA REBECCA.....Morristown, Tenn.
French

HUNTER, HARRY PRESTON, A.B. Ohio Wesleyan 1913.....North Lewisburg, O.
History

HWANG, TZON-FAH, LL.B. Michigan 1914.....Peking, China
Public Law

HYNDMAN, HELEN WHITTEN (n. m.), A.B. Smith 1908.....Schenectady, N. Y.
Social Economy

ILIFF, JOHN GILROY.....Berkeley, Cal.
A.B. Ewing 1903, A.M. 1914, A.M. California 1914
History, Education

IMES, WILLIAM LLOYD, A.B. Fisk 1910, A.M. 1912.....Nashville, Tenn.
Sociology

INGERSOLL, RUTH, A.B. Lake Erie 1906, A.M. Wellesley 1911.....Cleveland, O.
Comparative Literature, English

INGHAM, MABEL, A.B. Parsons 1913.....Brighton, Ia.
English

ISAAC, GWYLYM, A.B. Huron 1913.....Williamstown, Wales
Philosophy

ISAACSON, CAROLINE CHRISTINE, A.B. Northwestern 1907.....New York City
German

ISABEL, ERNESTINE CHARLOTTE, A.B. 1912.....New York City
French

ITO, KINJI (n. m.).....Tokio, Japan
Chemistry

JACCARD, LYDIA, A.B. Hunter 1914.....New York City
French

JACOBSON, MARJORIE FRANCES, A.B. Smith 1914.....New York City
History

JAMESON, WYLIE BLOUNT MILLER, A.B. Colorado 1910.....New York City
French, Comparative Literature

JARMUTH, EDITH DELONG (n. m.), Ph.B. Colorado State 1901.....Boulder, Colo.
English, Comparative Literature

JARVIS, VIVIAN, B.S. Shurtleff 1905.....Seattle, Wash.
English

JASCALERICK, ALEXANDER (n. m.).....Buenos Aires, S. A.
Psychology

JEFFERSON, RALPH WALDO, A.B. Yale 1912.....New York City
English

JENNINGS, ALLAN DUNNING, A.B. St. Stephens 1913.....Hempstead, N. Y.
History, Greek

JENNINGS, ELROY JEFFERY, A.B. St. Stephens 1912.....Hempstead, N. Y.
History, Greek, Latin

JOHANN, NORMA EVA, A.B. Hunter 1914.....New York City
Chemistry

JOHNSON, ALFRED ANTHONY, B.S. 1914.....Englewood, N. J.
English

JOHNSON, FREDERICK ERNEST, A.B. Albion 1906, B.D. Union 1912...New York City
Philosophy

JOHNSTON, DAVID WHITE, JR., A.B. Georgia 1913.....Atlanta, Ga.
Sociology

JOHNSTON, MARIE L., A.B. New Rochelle 1910.....New York City
English

JONES, EDNA BLANCHE (n. m.), A.B. 1903, A.M. 1914.....Sloatsburg, N. Y.
History

JONES, FREDERICK WILLIAM.....Gloucester, Va.
B.S. Va. Poly. Inst. 1908, A.B. Richmond 1911
Sociology

JONES, JOHN CATRON, A.B. Transylvania 1911.....Barbourville, Ky.
History

JONES, JOSEPH WILLIAM LESTER (n. m.).....Tiffin, O.
A.B. Princeton 1894, Ph.D. 1901
Psychology, Philosophy

JOYCE, MARY MARGARET, A.M. 1914, A.B. Hunter 1913.....New York City
Politics, History, Economics

JUD, FRIDOLINA, B.S. 1912, A.M. 1913.....Jersey City, N. J.
Geology, Botany

KAISER, CLARENCE HEER, A.B. Rochester 1914.....Rochester, N. Y.
Economics

KAPLAN, HYMAN, B.S. C. C. N. Y. 1913.....New York City
Sociology

KAPLAN, JULIUS, A.B. 1914.....New York City
Philosophy

KAPLAN, MICHAEL, A.B. 1913.....New York City
History

KARAJIAN, HAGAR AVEDIS.....New York City
Geology

KASTANEK, RUDOLPH, A.B. N. Y. Univ. 1913.....New York City
History, Ethics

KATZ, JACOB, A.B. C. C. N. Y. 1914.....New York City
History

KATZ, MILTON JULIAN, B.S. C. C. N. Y. 1911.....New York City
Botany, Education

KATZ, MOLLIE, A.B. 1913.....New York City
Social Economy

KAUFMAN, REUBEN, A.M. 1912, A.B. Clark 1911.....New York City
Semitics, History

KAUFFMAN, HENRY, A.B. 1914.....Hackensack, N. J.
History

KEEN, JOHN HINDMAN, A.B. Texas, A.M., LL.B.....Austin, Texas
Philosophy, Psychology, Ethics

KEEP, AUSTIN BAXTER (n. m.).....New York City
Ph.D. 1911, A.B. Amherst 1897, A.M. 1901
History, Public Law, Sociology

KEITH, MARY CATHARINE, B.S. 1915.....New York City
English

KELLER, HERMINA HANNAH, A.B. Hunter 1909.....New York City
English

KELLOGG, CLARA LOUISE, A.M. 1913, Ph.B. Baylor 1908.....New York City
History

KELLY, EDYTHE GRACE, B.S. 1914.....New York City
French

KELLY, LAWRENCE FRANCIS.....New York City
A.B. Holy Cross Coll. (Dublin) 1907, B.D. Maynooth 1911
English

KELLY, THOMAS P., A.B. C. C. N. Y. 1912.....New York City
Economics

KELSEY, SPOFFORD EARL (n. m.).....Cass City, Mich.
A.B. Michigan 1908, B.D. McCormick Theo. Sem. 1913
Philosophy

KEMBLE, MARGARET, A.B. Trinity 1914.....Waxahachie, Tex.
Philosophy

KEMMERER, MAUDE, A.B. Swarthmore 1907.....Philadelphia, Pa.
History

KEMP, WILLIAM CULLEN BRYANT.....New York City
A.B. 1900, A.M. 1901, LL.M. 1901
Chemistry, Metallurgy, International Law

KENDALL, GEORGE VALENTINE, A.B. Brown 1912, A.M. Wisconsin 1913..St. Louis, Mo.
English, History

KENNEDY, JOHN CLARKE, Litt.B. Princeton 1911.....New York City
Public Law

KENNEDY, MARY LAURENCE, A.B. Erskine 1912.....Troy, S. C.
English

KENNEDY, MARY BUCKLEY, B.S. 1914, A.B. Adelphi 1914.....Hoboken, N. J.
History

KENNERLY, MARTHA MASON, B.S. Adelphi 1903.....White Post, Va.
Botany

KETCHAM, BERTHA LOUISE, Ph.B. Syracuse 1906.....Nyack, N. Y.
History

KETCHAM, CHARLES BURGESS, A.B. Ohio Wesleyan 1913.....Greenville, O.
Philosophy

KETELS, LUTHER HENRY, A.B. 1912, A.M. 1914, B.D. Drew 1912...Newark, N. J.
Sociology, Economics, History

KEYES, ROWENA KEITH, A.B. Mt. Holyoke 1902, A.M. 1907.....New York City
English, Comparative Literature

KIEFFER, GEORGE LINN, A.B. Gettysburg 1909.....Millersburg, Pa.
History

KILLIAN, JOHN ALLEN, A.B. St. Joseph's Coll. 1913.....Philadelphia, Pa.
Chemistry

KING, EDNA HAZEL, A.B. Nebraska 1907.....Lincoln, Nebr.
English

KING, ROBERT MCCORKLE, A.B. 1913.....New York City
Highway Engineering

KINNEARS, HANNAH CATHERINE, A.B. Hunter 1911.....New York City
English

KIRKPATRICK, CARL WHITTIER, A.B. Iowa State 1911.....Waterloo, Ia.
Psychology

KIRSCH, LEON, B.S. Cooper Union 1909.....New York City
Mathematics

KLASKY, LENA HARRIET, A.B. Hunter 1907.....New York City
German

KLEIN, ARTHUR J., A.B. Wabash 1906, B.D. Union Theo. Sem. 1909..New York City
History

KLEIN, HARRIET, A.B. Hunter 1911.....New York City
German

KLEIN, LEOPOLD, A.B. 1910.....New York City
German

KLEIN, MARGARET ANNE (n. m.).....New York City
English

KLEIN, PHILIP, A.B. C. C. N. Y. 1911.....New York City
Social Economy, History

KLIGLER, ISRAEL JACOB, A.M. 1914, B.S. C. C. N. Y. 1911.....New York City
Biological Chemistry, Bacteriology

KNAPP, CHARLES MERRIAM, A.B. 1914.....New York City
History, Public Law

KNUTH, HARVEY GREY, A.B. 1914.....Dayton, O.
Public Law

KOCH, ERNEST HERMAN, JR., B.S.E.E. Pennsylvania 1897.....Newark, N. J.
Mathematics

KOHLBERG, HERBERT S., B.S. 1907, E.M. 1909.....El Paso, Texas
Geology

KOHN, IRENE NATALIE, A.B. Hunter 1914.....New York City
English

KOJIMA, SHIGEO, A.M. 1913, A.B. St. Paul's Tokyo 1912.....Japan
Philosophy, Chinese

KOSS, ISABEL GLEN, A.B. 1912.....New York City
History

KOTINSKY, MARY, A.B. Hunter 1912.....New York City
History

KRAMER, EDNA PISKO, A.B. Hunter 1909.....New York City
English

KRAMER, FLORA VICTORIA (n. m.), M.D. N. Y. Med. Coll. 1913.....New York City
Bacteriology

KREINER, LILLIAN MAY, B.S. 1910, A.M. 1913.....Newark, N. J.
English

KROGER, FRED HUTTON (n. m.), B.S. Colorado 1904, M.S. 1905.....New York City
Physics

KROLFIFER, JULIUS FREDERIC, A.B. 1913.....New York City
History

KU, CHEN MIU, B.Ch.E. Michigan 1914.....Ping-hu, China
Chemistry

KUANG, YING-CHIEH.....Canton, China
A.M. 1913 (Equiv.) B.D. Pei-Yang 1907, E.M. 1910
Geology, Mining, Metallurgy

KUKI, BASIL ICHIZO, Equiv. A.B. Imperial Coll. (Japan) 1906.....Tokyo, Japan
Public Law, Economics

KÜMMERLE, KATHARINE E., A.B. Hunter 1914.....New York City
German

KUPFER, WALTER SCOTT, B.S. 1913, A.M. 1914.....Leonia, N. J.
Sanskrit, Indo-Iranian, Sociology

KUSCHKE, JOHN L., A.B. Cornell 1909.....Plymouth, Pa.
German

KUTZ, SALLY EMILY, A.B. Hunter 1909.....New York City
Bacteriology

KWONG, HSU KUN, Litt.B. Princeton 1914.....Shanghai, China
Economics

LAGUARDIA, GARIBALDI, A.B. 1914.....New York City
French, Italian, Latin

LAMONT, ELIZABETH KINNEY (n. m.).....New York City
History

LAMONT, FLORENCE, A.M. 1898, B.S. Smith 1893.....Englewood, N. J.
Philosophy

LANDY, GEORGE, A.B. C. C. N. Y. 1912.....New York City
Social Economy, Economics, Politics

LANG, FRANKLIN RUNYAN, LL.B. Detroit 1904.....Washington, D. C.
Public Law

LANGHORNE, JOHN FISTER (n. m.).....New York City
Social Economy

LANGMAN, HARRY, A.M. 1914, B.S. C. C. N. Y. 1911.....New York City
Mathematics, Physics

LANGTON, WILLARD S., B.S. Agr. Coll. Utah 1896.....Logan, U.
Mathematics, Education

LASKER, LOULA DAVIS, A.B. Vassar 1909.....Galveston, Tex.
Social Economy

LATHAM, MARCIA LOUISE, A.M. 1908, B.S. North Carolina 1900....New York City
Mathematics, Education

LATHAM, MINOR WHITE, A.M. 1912.....Hernando, Miss.
English, Comparative Literature

LAUBE, HERBERT DAVID.....Broadhead, Wis.
B.L. Wisconsin 1903, A.M. Michigan 1911
Public Law

LAUTERBACH, BETTIE, B.S. 1913, A.M. 1913.....Breslau, Germany
Sociology, Education, German

LAVINE, ROSE B., A.B. Hunter 1914.....New York City
Mathematics

LAWRENCE, G. WALTER, A.B. Emporia 1911.....Herington, Kans.
History

LAWSON, LEONARD AXEL, A.M. 1911, A.B. Upsala 1909.....Kenilworth, N. J.
History, Sociology

LAWTON, ERNEST BEATTIE, A.B. 1913.....New Rochelle, N. Y.
English

LAWTON, MAXWELL FRANCIS, A.B. 1904, A.M. 1913.....New York City
History, Roman Archaeology and Epigraphy

LAX, HERMAN, A.B. C. C. N. Y. 1913.....New York City
French

LAZARUS, ARTHUR, B.S. 1914.....New York City
English

LEAVENS, DICKSON HAMMOND, A.B. Yale 1909.....Norwich, Conn.
Mathematics

LECOCQ, MARIE LOUISE, A.B. Mt. Holyoke 1911.....Upper Montclair, N. J.
Economics

LEDUC, ALMA DEL., A.M. 1909, Ph.B. Chicago 1899.....Chicago, Ill.
French Language and Literature, Comparative Literature

LEE, EDMUND JENNINGS, A.M. Virginia 1897.....Anking, China
Chinese, Comparative Literature

LEE, PORTER RAYMOND, A.B. Cornell 1903.....New Rochelle, N. Y.
Social Economy, Sociology

LEE-BRON, HARVEY.....Philadelphia, Pa.
A.B. Temple Univ. 1912, A.M. Pennsylvania 1914
Politics, Public Law, Social Economy

LEGGETT, JOHN DWIGHT (n. m.).....New York City
Economics, History

LEIBOVITZ, NATHAN, A.B. C. C. N. Y. 1906.....New York City
Economics

LEIGH, RANDOLPH, A.B. Univ. of South 1913.....Los Angeles, Cal.
History

LEINER, JOSEPH, B.S. 1914.....New York City
Geology

LEIPER, HENRY SMITH, A.B. Amherst 1913.....Blauvelt, N. Y.
Philosophy

LEMKAU, JOHN HENRY, A.B. Iowa Wesleyan 1901.....Muscatin, Ia.
Sociology

LEMON, WILLIAM PHILIP, A.M. Huron Coll. 1912, A.M. Princeton 1914..Newark, N. J.
Philosophy

LENA, FRED THOMAS, A.B. Dartmouth 1907.....Lawrence, Mass.
Economics

LENNEY, JOHN JOSEPH.....Norfolk, Va.
A.B., A.M. George Washington 1913, LL.B. Georgetown 1914
Politics, Public Law, History

LENZ, GEORGE JACOB, A.B. Harvard 1904, A.M. 1906.....New York City
German

LESCH, GERTRUDE TWOHAY, A.B. Hunter 1911.....New York City
History

LESHER, ROBERT ALLEN, B.S. Mass. Inst. Tech. 1914.....Easton, Penn.
Economics

LEVINE, HERMAN P., A.B. C. C. N. Y. 1914.....New York City
History

LEVY, CHARLES HENRY.....New York City
A.B. C. C. N. Y. 1903, C.E. Brooklyn Coll. Eng. 1909
Highway Engineering

LEVY, HENRY (n. m.).....Yonkers, N. Y.
A.B. C. C. N. Y. 1895, LL.B. N. Y. Univ. 1900
Economics, Sociology, Public Law

LEWIN, ELLEN, A.B. Hunter 1913.....New York City
German

LEWIS, EFFIE LOUISE, B.S.....New York City
English

LEWIS, FRANKLIN CROCKER, A.B. Dartmouth 1900, A.M. Harvard 1901..Leonia, N. J.
Philosophy

LEWIS, GEORGE HENRY, A.B. Ripon 1911, S.T.B. Andover 1914....New York City
Social Economy

LEWIS, READ, A.B. Wisconsin 1909.....New York City
History

LIANG, TAI CHI, A.B. Wisconsin 1914.....Hongkong, China
Politics

LIEBERMANN, ELSE.....East Orange, N. J.
German

LIEBOWITZ, BENJAMIN, E.E. 1911.....New York City
Mathematical Physics, Mathematics

LIEBOVITZ, DAVID (n. m.).....New York City
German Philosophy

LIFF, JOSEPH, B.S. 1912, A.M. 1914.....New York City
Zoölogy

LINDSAY, JEAN STIRLING, A.B. Hunter 1912.....New York City
English

LINEHAN, PAUL HENRY, A.B. Harvard 1902.....New York City
Mathematics, Education

LISK, HENRIETTA, B.S. Florida State 1907, M.S. 1909.....Silver Springs, Fla.
Botany

LISSAUER, HERMAN, A.B. C. C. N. Y. 1913.....Yonkers, N. Y.
English

LITHGOW, DELLA S. (n. m.).....New York City
Economics

Lo, King Tai, C.E. Rensselaer Poly. Inst. 1914.....Canton, China
Highway Engineering

Lobeck, Armin Kohl, A.B. 1911, A.M. 1914.....Haworth, N. J.
Geography, Geology, Paleontology

Lobsenz, Johanna, A.B. Hunter 1911.....New York City
German

Lockey, Joseph Byrne, A.M. 1909, B.S. Peabody 1902.....Chipley, Fla.
History, Public Law

Lockwood, Esther Abercrombie, A.B. Wellesley 1907.....New York City
French

Logan, Conrad Travis, A.B. Randolph-Macon 1910.....Harrisonburg, Va.
English

Long, Geraldine Michi, A.B. Colorado State Normal 1912....East Orange, N. J.
English

Long, William Bayard, A.B. 1908, M.D. 1910.....New York City
Pathology

Loo, Ming Ying, Ch.E. Lehigh 1914.....Ishing, China
Economics

Loth, Sara Edna, A.B. Smith 1914.....New York City
French

Lotz, Elsa, B.S. 1912.....New York City
German

Loughran, James Francis, C.E. Rensselaer Poly. Inst. 1906.....Kingston, N. Y.
Highway Engineering

Louis, Pui Hung (n. m.).....China
Politics

Lovett, Augustus Sidney, Jr., A.B. Yale 1913.....Brookline, Mass.
Economics

Lowrey, Lawrence Tyndale.....Blue Mountain, Miss.
A.M. 1914, B.S. Mississippi 1909, A.M. 1913
History, Economics

Loyhed, Lois Dorothy, A.B. Minnesota 1912.....Faubault, Minn.
English

Lubarsky, Louis Henry, A.M. 1911, B.S. C. C. N. Y. 1904.....New York City
Economics, Sociology, Mathematics

Luckey, Henry Carl, A.B. Nebraska 1911, LL.B. 1912, A.M. 1914..Lincoln, Neb.
Economics, Education

Lynch, Harold Arthur.....New York City
A.M. 1914, A.B. Washington 1910, B.D. Union Theo. Sem. 1914
History

Lyttle, Rylma Carolyn, A.B. Western Reserve 1914.....Cleveland, Ohio
History

McAllister, Charles Eldredge, A.B. St. Stephens 1914.....Washington, D. C.
History

McBride, Anna Christina, B.S., A.B. Missouri 1912, A.M. 1913....Webb City, Mo.
Sociology, Economics, History

McCallum, James Dow, A.B. 1914.....Nutley, N. J.
English, German

McCarthy, Mary Isabel, A.B. Hunter 1912.....New York City
English

McClees, Helen, A.B. Ohio State 1910.....New York City
Latin, Greek, Archaeology

McClelland, George Hamilton.....New York City
A.B. Westminster 1903, B.D. Union Theo. Sem. 1909
Sociology, Economics, History

McCLURE, CHARLES WARREN, A.B. Baldwin Wallace 1912.....Madison, N. J.
Sociology

McCLURE, WALLACE MITCHELL, A.B. Tennessee 1911, LL.B. 1911.Knoxville, Tenn.
Economics, History, Sociology

McCONVILLE, THOMAS EDWARD (n.m.).....Scranton, Pa.
Highway Engineering

McCORMACK, ROBERT DE HUFF, A.B. Oregon 1914.....Spokane, Wash.
Economics

McCORMICK, THOMAS HOLMES, A.B. Hiram 1902.....New York City
Mathematics

McCOY, WALLACE EDWIN, A.B. Dartmouth 1913.....Amsterdam, N. Y.
Philosophy

McCOY, WILLIAM DANIEL, C.E. Brooklyn Poly. Inst. 1914.....New York City
Highway Engineering

McCULLOUGH, EDITH VAN BENTHUYSEN (n.m.).....New York City
History

McCURY, DANIEL ERNEST, A.M. 1912, A.B. Missouri Valley 1909...New York City
Sociology, Economics, History

McDOUGALL, HARRY REUBEN, A.B. Colgate 1914.....Argyle, N. Y.
History

McELVARE, ROWLAND ROBBINS, A.B. 1913, A.M. 1914.....New York City
Economics, Sociology, Politics

McEWEN, ROBERT STANLEY, A.B. Western Reserve 1911, A.M. 1912..Cleveland, O.
Biology, Anthropology, Sociology

McFALL, ROBERT JAMES, A.M. 1914, A.B. Geneva 1912...Somerset, Nova Scotia
Economics, Sociology, Psychology

McFARLAND, NANNIE WITHERSPOON, A.B. Cornell 1912.....Staunton, Va.
Latin

McGINNIS, JOHN HATHAWAY, A.B. Missouri Valley 1904.....Marshall, Mo.
English

McGRATH, JULES GRACE, A.B. Hunter 1911.....New York City
Geology

McGREGOR, MAE KATHLEEN, A.B. So. California 1914.....Salt Lake City, Utah
German

McINTOSH, MARTHA FRASER.....Worcester, Mass.
A.B. New Brunswick 1896, A.M. 1900
English, Philosophy

McKEE, HARRIET EMMA, A.B. Vassar 1914.....Painesville, O.
Greek, Latin

McKENZIE, ISABEL, A.B. 1912.....East Orange, N. J.
History, Economics

McLAUGHLIN, LUCY AGNES MADELINE, A.B. Hunter 1914.....New York City
Mathematics

McLOUGHLIN, FREDERIC O. X.....New York City
C.E. 1913, A.M. 1914, B.S. C. C. N. Y. 1909
Economics, Sociology, Civil Engineering

McMACKIN, FRANK JOSEPH, B.S. 1912, A.M. 1913.....Philadelphia, Pa.
Mathematics, Physics

McNEER, ELLA LOULA, A.B. Randolph-Macon 1909.....Alderson, W. Va.
Mathematics

MACAULAY, FRED R., A.B., A.M., LL.B. Colorado 1911.....New York City
Economics, Sociology, History

MACDERMOTT, ADA A., A.B. Syracuse 1904.....Kingston, Pa.
German, Latin, History

MACDONALD, BESSIE NELSON, A.B. 1913.....New York City
Mathematics

MACKAY, ANNETTE BURNETT (n. m.).....New York City
English

MACKAY, DONALD SAGE, A.B. Williams 1914.....Blue Hill, Me.
Philosophy

MACLAIN, ALYDA DAVIS (n.m.).....New York City
Philosophy

MACLEOD, GRACE, A.M. 1914, B.S. Mass. Inst. Tech. 1901.....New York City
Chemistry

MACMILLAN, BEULAH ARNOLD, A.M. 1908.....Charleston, S. C.
English, Philosophy

MACPHERSON, HARRIET DOROTHEA, A.B. Wellesley 1914.....New York City
History

MACQUEEN, WILLIAM NORMAN (n. m.), ...Brucefield, Ontario, Canada
A.B. Toronto 1912, A.M. 1913
Economics

MACRURY, ANGUS GORDON.....Elizabeth, N. J.
A.B Washington & Jefferson 1909, B.D. Union Theo. Sem. 1914
Sociology

MACRURY, JOHN ALLISON.....New York City
A.B Washington & Jefferson 1909, B.D. Union Theo. Sem. 1914
Sociology

MACKLIN, EGBERT CHALMER.....Bryant, Ind.
A.B. Indiana 1911, B. D. Union Theo. Sem. 1914
History, Philosophy

MADDEN, JAMES LOOMUS (n. m.), A.B. Washington (Md.) 1911.....New York City
History

MAGARY, ALVIN EDWIN, A.M. 1913.....South Orange, N. J.
Sociology, Philosophy, Economics

MAGAN, ERNEST L., LL.B. N. Y. Univ. 1903, LL.M. 1908, B.S. 1913..New York City
Public Law

MAHONEY, CARL KETRON, A.B. Chattanooga 1908, B.D. Drew 1914....Atco, N. J.
Philosophy

MAHONEY, JAMES, A.B. Emory & Henry 1912.....New York City
English

MALLOY, FLORENCE (MISS), A.B. I. and I. Coll. 1893.....Caledonia, Miss.
English

MANKIEWICZ, FRANK.....New York City
German

MANTZ, HAROLD ELMER, A.B. Michigan 1910.....New York City
French, Italian, Comparative Literature

MARCUS, ALEXANDER, B.S. C. C. N. Y. 1910.....New York City
Physics

MARCUS, DORA, A.B. Hunter 1912.....New York City
English

MARGOLIS, ELIAS, A.B. Cincinnati 1900.....New York City
Semitics

MAREK, EDWARD LOUIS (n. m.), B.S. A. & M. Coll. (Texas) 1907....Brenham, Tex.
Highway Engineering

MARREN, MAUD LOUISE, B.S. 1908.....Asbury Park, N. J.
English

MARSDEN, NELL LILLIS (n. m.).....New York City
A.B. Mt. Holyoke 1896, A.B. Chicago 1902
Bacteriology

MARTIN, HELEN VIRGINIA, A.B. Wilson 1908.....New Castle, Pa.
English

MARTIN, THEODORA DAY, A.B. Hamilton 1911, A.M. 1912.....Manti, Utah
Philosophy, Education

MASTICK, SEABURY CONE,.....Pleasantville, N. Y.
A.B. Oberlin 1891, A.M. 1894, LL.B. California 1894
Chemistry

MAY, MARK ARTHUR, A.B. Maryville 1911, Ph.B. Chicago 1912....Telford, Tenn.
Psychology

MAYER, LILLIE STEIN (n. m.).....New York City
History

MAYER, THERESA, A.B. 1911, A.M. 1913.....New York City
History

MEHLER, ELSA SAUTEN, A.B. 1912.....New York City
History

MELZER, CARL, A.B. Denver 1912, A.M. 1913.....Denver, Colo.
Chemistry, Metallurgy

MENDELSOHN, JACOB I., A.B. N. Y. Univ. 1914.....Newark, N. J.
Indo-Iranian

MERRILL, BERTHA, A.B. Wellesley 1913.....Skowhegan, Me.
Geology

MERRILL, GEORGE ABBOT, A.M. 1914, A.B. Colgate 1910.....Rahway, N. J.
History, Politics

MERRITT, LAURA BELLE, Ph.B. Syracuse 1909.....Geneva, N. Y.
English

MESSENGER, HELEN ALTHEA, A.B. Hunter 1905.....New York City
Physics, Mathematics, Mechanics

MESSENGER, RUTH ELLIS, A.B. Hunter 1905, A.M. Illinois 1911....New York City
History, Sociology

MEYER, ANDREW JOHN.....New York City
A.B. Rutgers 1897, A.M. Reformed Theol. Sem. 1904
History, Sociology

MEYER, CARL LUDWIG WILLIAM, A.M. 1912, A.B. Mississippi 1910..New York City
Public Law, History

MEYER, ERNEST PENNINGTON, B.S. C. C. N. Y. 1915.....New York City
History, Politics

MICHAELS, REBECCA SADIE, A.B. Hunter 1912.....New York City
History

MIDDLETON, FLORENCE, B.S. 1910, A.M. 1914.....New York City
Botany

MILLARD, WILLIAM JOHN, A.M. 1914.....New Orleans, La.
Geology, Mining, Metallurgy

MILLER, BARNETTE (n. m.), Ph.D. 1909.....New York City
Semitics

MILLER, DONALD HERBERT, A.B. 1907.....New York City
Physics

MILLER, JANE HILL, A.B. Miss. I. I. & C. 1908.....West Point, Miss.
German

MILLER, JOHN FRANCIS (n. m.).....Berlin, N. Y.
Economics

MILLER, MARY AGNES, A.B. 1908.....New York City
Comparative Literature

MILLER, SPENCER, JR., A.M. 1914, A.B. Amherst 1912.....So. Orange, N. J.
Politics, Public Law, History

MILLER, WHARTON, B.S. 1913.....New York City
Anthropology

MILLS, AGNES DOROTHY, Equiv. A.B. St. Andrews (Scotland) 1914..New York City
English

MILLS, CHARLES MORRIS, A.B. Amherst 1914.....Montclair, N. J.
Sociology

MINER, CLARENCE EUGENE, A.M. 1913, A.B. C. C. N. Y. 1906.....New York City
History, Public Law, Education

MINER, ROY WALDO, A.B. Williams 1897.....New York City
Zoölogy, Geology

MOHAIR, CHARLES, B.S. Union 1911.....Newark, N. J.
History

MOLEY, RAYMOND CHARLES, Ph.B. Baldwin 1906.....Olmsted Falls, Ohio
Politics, Public Law, History

MOLLER, VENETTT S., B.S. Wellesley 1888.....New York City
Comparative Literature

MONNINGER, OSCAR EDWARD, B.S. Purdue 1914.....Indianapolis, Ind.
Highway Engineering

MONTGOMERY, MELVILLE GRAY, A.B. Park Coll. 1913.....Arkansas City, Kans.
Sociology

MONTGOMERY, SARAH LOUISE, B.S. 1911, A.M. 1912.....Jeffersonville, Ind.
Psychology, Philosophy

MOODY, JAY ARTHUR, A.B. Harvard 1905, A.M. 1906.....Youngstown, O.
Greek

MOOK, CHARLES CRAIG, B.S. 1912, A.M. 1914.....New York City
Geology, Zoölogy

MOON, PARKER LE ROY, B.S. 1913.....New York City
History, Politics

MOORE, MARGARET BROWN (n. m.), Ph.B. Wooster 1911.....East Liverpool, O.
Social Economy

MORALES, RICARDO ANTONIO.....Panama
Public Law, Economics

MORAN, SHERWOOD FORD, A.B. Oberlin 1914.....Redlands, Cal.
Philosophy

MORGENTHAU, AGNES JOSEPHINE, A.B. Smith 1914.....New York City
History

MORIARITY, MARY LILLIAN, B.S. 1909.....Yonkers, N. Y.
English

MORRILL, FRANCES URSULA, A.B. Smith 1907.....New York City
French

MORIMATSU, TEYJIRO, (equiv.) A.B. Doshisha Univ., Japan.....Iyo, Japan
Economics

MORREY, WILLIAM THOMAS.....New York City
A.B. Ohio State 1888, A.M. N. Y. Univ. 1893
History, Economics

MORRIS, LEON ERNST (n. m.), B.D. Seabury 1914.....Detroit, Mich.
English

MOSCOWITZ, DAVID HENRY, A.B. 1913, A.M. 1914.....New York City
Mathematics, Education

MUELLER, HENRY RICHARD, A.B. Muhlenberg 1909.....Lancaster, Pa.
History

MULLER, ADA HERMINIE, A.B. 1908.....New York City
Social Economy

MULLER, THEODORE.....New York City
Botany, Bacteriology

MULLIKIN, JEANNETTO CAMPBELL, A.B. Vassar 1914.....Newark, N. J.
Bacteriology

MUNRO, HENRY FRASER, A.B. Dalhousie 1899, A.M. Harvard 1913....Pictou, N. S.
Public Law

MURAVCHIK, RACHEL BELKIN, A.M. 1913.....New York City
Sociology, Economics, History
MURCHISON, CLAUDIUS TEMPLE, A.B. Wake Forest 1911.....Yanceyville, N. C.
Economics, Sociology, History
MURPHY, LETITIA ELWOOD, A.B. New Rochelle 1913.....New York City
English
MURPHY, MARIE E., A.B. Hunter 1913.....New York City
History
MURRAY, MARY CATHERINE, A.B. Trinity 1909.....Grand Rapids, Mich.
Social Economy
MUSGRAVE, EDITH, A.B. Hunter 1911.....New York City
English
MUSSAENS, MARIE GUENTHER, A.B. Smith 1906.....Linnton, Va.
French
MUTCHMORE, JAMES RALPH, A.B. Toronto.....Glen Huron, Ontario, Canada
Economics
MUTSCHELLER, ARTHUR, B.S. 1913, A.M. 1914.....New York City
Chemistry, Physics
MYERS, PHINEAS BARTON, JR., A.B. Cornell 1913.....Morristown, N. J.
Social Economy
NAESETH, U. WILLIAM KOREN.....Decorah, Ia.
A.B. Luther Coll. 1908, B.D. Luther Sem. 1912
Social Economy
NAGELBERG, JOSEPH LEO, B.S. C. C. N. Y. 1913.....New York City
Geology
NAKAMURA, YASUMA, A.M. Clark 1909.....Nagasaki, Japan
Psychology, Anthropology
NAMMACK, ELIZABETH FRANCES, A.B. 1895, A.M. 1896.....New York City
Latin, Roman Archaeology, Greek
NAUMBERG, AGNES, A.B. Vassar 1909.....New York City
English
NEAD, RAYMOND HARKER, A.B. Dartmouth 1911.....Norwood, Mass.
Psychology
NEELY, ANNIE CALVERT, A.B. Vassar 1899.....Tarrytown, N. Y.
History
NEFF, EMERY EDWARD, A.M. 1914, A.B. Ohio Wesleyan 1913.....Delaware, Ohio
English, Comparative Literature
NEGRI, FAUSTA MARIA, A.B. Hunter 1914.....New York City
Italian
NELSON, LOUISE ANNA, Ph.B. Colorado 1902.....Seattle, Wash.
Economics
NEUMANN, HENRY, A.B. C. C. N. Y. 1900, Ph.D. N. Y. Univ. 1906...New York City
Philosophy
NEUN, DORA ESTELLA, A.M. 1913, B.S. Rochester 1912.....Rochester, N. Y.
Chemistry, Bacteriology
NEVINS, ALLAN, A.B. Illinois 1912, A.M. 1913.....New York City
Comparative Literature
NEWELL, FREDERICK BUCKLEY, A.B. Wesleyan 1913.....Hartford, Conn.
Social Economy
NEWTON, ALBERTA MONTGOMERY, A.B. Bryn Mawr, 1905.....Blackwell, Okla.
Latin
NICHOLS, MARY M. (n. m.).....New York City
History
NICOL, CARL CONRAD, A.B. Oberlin 1911, A.M. 1912.....Oberlin, O.
Philosophy
NILSEN, LORNA, A.B. Vassar 1908.....New York City
Physics

NIXDORFF, CHARLES EDWARD, A.B. Harvard 1900, LL.B. 1904.....New York City
French
NOBLE, KATHERINE POLLARD, A.B. 1913.....New York City
English
NOEL, BLANCHE PUTNAM, A.B. Butler 1900, A.M. Indiana 1902....Indianapolis, Ind.
Latin
NOETHEN, JOSEPH C., A.B. C. C. N. Y. 1913.....New York City
German
NOONAN, RAYMOND LENOX.....New York City
English
NORTH, CLARENCE JACKSON, A.B. Harvard 1914.....New York City
Public Law
NORTHROP, JOHN HOWARD, B.S. 1912, A.M. 1913.....New York City
Chemistry, Biological Chemistry
NOWLAN, FREDERICK STANLEY, A.B. Acadia 1908, A.M. Harvard 1909..New York City
Mathematics, Physics
NUDD, HOWARD WEBSTER, A.M. 1914, B.S. Temple Univ. 1907....Wallingford, Pa.
Social Economy, Sociology, Education
NYI, JOSHUA ZAU TSUNG, B.S. 1913, A.M. 1914.....Hangchow, China
Public Law, Education
OATES, ARTHUR RAYMOND, A.B. Wisconsin 1913.....Darlington, Wis.
Sociology
OATMAN, MIRIAM EULALIE, A.B. Oberlin 1912.....Mt. Holly, N. J.
Sociology, Economics, History
O'CONNELL, EUGENIE, A.B. Hunter 1913.....New York City
Biology
O'DELL, GEORGE EDWARD (n. m.).....New York City
Philosophy
OGILVIE, PAUL MORGAN, A.B. 1913, A.M. 1914.....Los Angeles, Cal.
Public Law, Economics
OKUNTSOFF, ELAINE, A.M. 1909, A.B. Hunter 1908.....New York City
Sociology, Social Economy, Economics
OLDS, LELAND, A.B. Amherst 1912.....Amherst, Mass.
History
O'NEILL, ELEANOR FRANCES, A.B. Hunter 1914.....New York City
Mathematics
O'NEILL, JAMES ALLAN, B.S. 1914.....Jersey City, N. J.
French
OPDYCKE, LAWRENCE HALL, B.S. Rutgers 1913.....West New York, N. J.
Chemistry
OPPENHEIMER, FLORENCE, A.B. 1901.....New York City
History
OSTERHUS, GUSTAV KVALE, A.B. 1914.....New York City
History
OTSUKA, SETSUJI.....Kioto, Japan
Philosophy
OU, LUM, A.B. Canton Coll. 1907, M.G. 1911.....New York City
Economics
OUTTERSON, BESSIE ELLEN (n. m.), B.S. 1909.....East Stroudsburg, Pa.
English
PAGAR, SHANKER MASHAN, A.B. Wisconsin 1914.....Baroda, India
Economics
PALMER, FREDERICK ALBERT, A.B. Huron 1913.....Newark, N. J.
Philosophy
PANG, CLINTON MINDIL, A.B. 1914.....New York City
English

PARKIN, GEORGE BELL, A.B. Ohio Wesleyan 1913.....Madison, N. J.
Philosophy

PARKS, GEORGE BRUNER, A.M. 1914, A.B. Amherst 1911.....New York City
Comparative Literature, English, Philosophy

PARRISH, CHARLES EDWARD, B.S. Syracuse 1912.....New York City
History

PARSONS, GEORGE FISH, JR., A.B. Yale 1910.....New York City
Philosophy

PARSONS, LLEWELLYN S. (n. m.).....New York City
Philosophy

PARTENHEIMER, HAROLD PHILIP, A.B. Amherst 1913.....Greenfield, Mass.
Chemistry

PASTEL, EVELYN, A.B. Hunter 1911.....New York City
English

PATRON, GERARD RIZI, E.M. Michigan Coll. Mines 1914.....Lima, Peru
Metallurgy

PATTERSON, WILLIAM ALFRED, A.B. 1914.....Dayton, O.
History

PATTERSON, WILLIAM MORRISON, A.B. Vanderbilt 1899.....Mayfield, Ky.
English, Comparative Literature

PATTON, JULIA, A.M. 1908, A.B. Oberlin 1895.....Detroit, Mich.
English, Philosophy, Comparative Literature

PAYNTER, RICHARD HENRY, A.B. 1912, A.M. 1913.....New York City
Psychology, Education

PEARSON, PHILIP COOMBS, B.S. Mass. Inst. Tech. 1902.....Ridgewood, N. J.
Philosophy

PECKETT, WILLIAM JACKSON, B.S. 1909.....Lynbrook, N. Y.
Mathematics

PEEBLES, STUART LONGLEY (n. m.), C.E. Cornell 1911.....Oswego, N. Y.
Civil Engineering

PENNISTON, JOHN BENJAMIN.....New York City
B.Lit. 1913, A.B. Park 1911, B.S. Missouri 1912
Economics

PERCY, HARRIET CAROLYN, A.B. Wellesley 1912.....Hoosic Falls, N. Y.
English

PEREY, SCOTT HENRY, B.S., A.M. Cornell 1909.....New York City
Sociology, Economics, History

PERRING, ROY HENDERSON (n. m.), A.B. Indiana 1894, A.M. 1896....Grinnell, Ia.
German

PERRY, MARY ALMEDA, B.S. 1914.....New York City
Biological Chemistry

PERRY, REGINALD, B.S. N. Y. Univ. 1909.....New York City
Sociology

PERRY, WILLIAM SPRIGG, A.B. Vanderbilt 1908.....New York City
Sociology

PETERS, IVA LOWTHER, A.B. Syracuse 1901.....Fishkill, N. Y.
Sociology, History, Economics

PETERSON, ETHEL CAROLINE, A.B. Hunter 1913.....New York City
History

PETRI, EDWARD.....New York City
Philosophy

PHILBRICK, MAX PATTEN, A.B. Colby 1902.....New York City
Spanish, Romance Philology

PHILP, MARY ISABEL, A.M. 1904.....Chataugay, N. Y.
Philosophy, English, Education

PICARD, MAURICE, A.B. 1910, A.M. 1911.....New York City
Philosophy

PIDOT, SAMUEL LOUIS.....Chicago, Ill.
Psychology

PIERCE, ELIZABETH DENNY, A.B. Vassar 1910, A.M. 1912.....Englewood, N. J.
History, Latin, Greek Archaeology

PIGNOL, PEARL WILSON.....New York City
English

PISTNER, BERNARD, A.B. 1913.....New York City
English

PLAISTED, ELIZABETH, A.B. Wells 1903.....Massapequa, N. Y.
History

PLANK, LAURANCE ROBBINS, A.B. North Dakota 1914.....Minneapolis, Minn.
Sociology

PLANT, CONSTANCE (n. m.).....New York City
History

PLATH, OTTO EMIL, A.B. Northwestern 1910, A.M. Washington 1912..Berkeley, Cal.
German

PLATTEN, GLADYS IDA, A.B. Wellesley 1911.....New York City
Philosophy

PLAUT, EDWARD, A.B. Princeton 1912.....New York City
Chemistry, Biological Chemistry

PLOUGH, HAROLD HENRY, A.B. Amherst 1913.....New York City
Zoölogy, Biological Chemistry

PLUMMER, EUDORA, A.B. Hunter 1911.....Rutherford, N. J.
English

POHL, FREDERICK JULIUS, A.B. Amherst 1911.....New York City
English

POLLACH, SADIE HELEN, A.B. Hunter 1912.....New York City
German

POPE, RUSSELL, A.B. Amherst 1913.....New York City
German

PORTER, A. KINGSLEY (n. m.).....New York City
Italian

POST, HENRY ATTWELL, A.B. Hobart 1912.....Newark, N. J.
History

POWELL, MARY ANNIE, A.M. 1913, A.B., B.S. Missouri 1911.....Troy, Mo.
History, Politics

POWELL, MANLY HUFF, B.S. 1911.....White Plains, Va.
Latin

POYNOR, JULIA ANN, A.B. Alabama 1905.....Mount Hebron, Ala.
Latin

PRESSLY, DAVID PEDEN, A.B., A.M. Erskine 1903, B.D. Princeton 1905..Troy, Tenn.
Semitics, English, History

PRICE, BEATRICE, A.B. Hunter 1912.....New York City
English

PRITCHARD, Emilie, A.B. Hunter 1914.....New York City
German

PROUTY, THEODORE RENTROPE.....Scituate, Mass.
A.M. 1913, B.S. Mass. Inst. Tech. 1912
History, Sociology

PUNNETT, PERCY WITHERS, A.M. 1912, B.S. Rochester 1911.....Rochester, N. Y.
Chemistry, Biological Chemistry

PYLE, GERALD JACKSON, Litt.B. Princeton 1914.....Wilmington, Del.
Philosophy

QUACKENBOS, GEORGE PAYN, A.B. 1900, A.M. 1901.....New York City
Indo-Iranian

QUIGG, HELEN TOWNSEND (n. m.), A.M. 1913, A.B. Goucher 1904....Ellston, Ind.
English

RANDALL-BENT, M. A. RUTH, A.B. Dalhousie 1895, A.M. 1896...New Rochelle, N. Y.
English

RATNER, CHAYIM HYMAN.....New York City
B.S. C. C. N. Y. 1909, LL.B. Brooklyn Law Sch. 1912, Juris. Dr. 1913
Sociology, Biology, Psychology

RAY, BENJAMIN FRANKLIN, A.B. Baker 1912.....Westhampton, N. Y.
Sociology

RAY, FREDERICK, A.M. 1913.....Short Hills, N. J.
Mathematical Physics

REED, ROBERT RAY, A.B. Minnesota 1905.....Winona, Minn.
English

REESE, CLARE HILDEGARDE, A.B. 1912.....New York City
History

REICHLING, GERARD ALSTON, A.B. 1908, A.M. 1913.....New York City
German, Education

REINHEIMER, CORINNE, A.B. 1914.....New York City
English

REIZENSTEIN, ELMER L. (n. m.), LL.B. N. Y. Law Sch. 1912.....New York City
Sociology

REPLOGLE, IDA BERNEICE, A.B. Ypsilante Normal 1914.....Burr Oak, Mich.
Botany

REUMANN, OTTO G., A.B. Syracuse 1913.....New Bedford, Mass.
Social Economy

REYNOLDS, MARY ELIZABETH.....Lakelaud, Fla.
A.M., 1914, A.B. Florida State Coll. for Women 1907, A.M. 1908
English, Latin

REYNOLDS, RUTH.....New York City
A.M. 1914, A.B. Florida State Coll. for Women 1908, A.M. 1909
Classical Archaeology

RHOADES, HERBERT LEROY, A.B. Cornell 1914.....Marion, Ia.
Social Economy

RICE, MARION (n. m.), B.S. Mass. Inst. Tech. 1914.....New York City
Chemistry

RICE, MARY VIRGINIA, A.B. Michigan 1902.....Denver, Colo.
Economics

RICE, WINFIELD LAWRENCE, A.M. 1913, A.B. Dartmouth 1903.....New York City
History, French

RICHARDS, JULIUS KAPLAN.....New York City
German, Romance

RICHARDS, ORON ELVERT, A.B. De Pauw 1910.....Rochester, Ind.
History

RICHARDSON, WILLIAM CARRINGTON, A.M. 1914, A.B. Cornell 1899...New York City
Latin, Greek, Roman Archaeology

RIGGS, ROBERT JENNINGS, A.B. Oberlin 1911.....Oberlin, O.
Geology

RIKER, ADRIAN, JR., A.B. Princeton 1914.....Newark, N. J.
Chemistry

RILEY, WILLIAM ALBERT (n. m.).....Greencastle, Ind.
B.S. De Pauw 1897, Ph.D. Cornell 1903
Zoölogy

RITT, HAROLD LOPIDES, B.S. 1911.....New York City
English

RITT, JOSEPH FELS, A.B. George Washington, 1913.....New York City
Mathematics, Physics

RITTENHOUSE, ELEANOR AUGUSTA, A.B. Swarthmore 1912.....Montclair, N. J.
History

RITTI, MABEL MARGUERITE, A.B. Hunter 1913.....New York City
Physiology

ROBB, GEORGE SEANOR, A.B. Park 1912.....New York City
Economics, History

ROBERTSON, DONALD JOHN COCHRAN, Litt.B. Princeton 1913.....New York City
Public Law

ROBERTSON, ELLA MAY, A.B. North Dakota 1904.....Bathgate, N. Dak.
English

ROBEY, ROBERTA, A.B. Oklahoma 1914.....Davidson, Okla.
Sociology

ROBINSON, ALICE MAUD, A.B. Mt. Holyoke 1895, A.M. 1901.....New York City
Mathematics

ROBINSON, EVA ANNIE.....Owen Sound, Ontario, Canada
A.B. Toronto 1902, A.M. 1905
German

ROBINSON, JAMES HATHAWAY.....Springfield, O.
A.B. Fisk 1911, A.B. Yale 1912, A.M. 1914
Sociology, Economics, History

ROBINSON, AARON GERSON, A.M. 1912, A.B. 1909.....New York City
Philosophy, Economics

ROBISON, SOPHIA MOSES, A.M. 1913, A.B. Wellesley 1909.....New York City
Philosophy

DE LA ROCHELLE, PHILIPPE.....New York City
B. ès L. St. Hyacinthe (Can.) 1892
Romance Philology

ROEDER, ARTHUR CONRAD, A.B. Central Wesleyan 1914.....Decatur, Ill.
German

ROESLER, MAX, Ph.B. Yale 1905.....Great Neck, N. Y.
Geology

ROGERS, ELIZABETH FRANCES, A.M. 1913, A.B. Goucher 1912.....Madison, N. J.
History

ROLL, ROSE, A.M. 1913, A.B. Hunter 1909.....New York City
Mathematics, Philosophy, German

ROMIG, EDWIN B., A.B. Franklin & Marshall 1913.....Reading, Pa.
Sociology

ROSANOFF, LILLIAN (n. m.), A.B. 1907, A.M. 1911, Ph.D. Clark 1914..New York City
Physics

ROSE, IRMA, A.B. Wellesley 1914.....Montclair, N. J.
Philosophy

ROSE, SAMUEL EUGENE.....Cheraw, S. C.
A.M. 1914 (n. m.), A.B. Meridian 1911, B.D. Drew 1914
Philosophy

ROSENFELD, ALBERTINE AUGUSTA, A.B. Hunter 1914.....New York City
Psychology

ROSENTHAL, DANIEL CREHANGE.....New York City
A.B. Syracuse 1906, A.M. Yale 1907
French, English

ROSENTHAL, GEORGE J., A.B. 1910, A.M. 1911.....New York City
Biological Chemistry

ROSENTHAL, JEROME.....New York City
German, Philosophy

Ross, Alice, B.S. 1914.....Newark, N. J.
German

Ross, Frank Alexander, A.M. 1914, Ph.B. Yale 1903.....North Woodbury, Conn.
Sociology, Economics, Psychology

Ross, William Neely, A.B. 1911, A.M. 1912.....Troy, N. Y.
History, Economics

Rowland, William Tingle.....Winchester, Ky.
A.B. Kentucky Wesleyan 1902, A.M. Vanderbilt 1907
Latin, Greek, Roman Archaeology

Royer, Lucy March, B.S. 1912.....New York City
English

Rushfeldt, Elise, A.B. Minnesota.....Hawley, Minn.
English

Rusk, Ralph Leslie, A.M. 1912, A.B. Illinois 1909.....Columbia, Mo.
English, Comparative Literature

Russell, Dorothy Marie, A.B. Hunter 1914.....New York City
English

Russo, Joseph Louis, Equiv. A.B. Liceo (Italy) 1903.....Naples, Italy
Romance

Rustedt, Marian Brigham, Ph.B. Vermont 1898.....Richford, Vt.
French

Sabloff, Fannie Gertrude, A.B. Hunter 1913.....New York City
History

Sachs, Samuel, A.B. 1913.....New York City
Philosophy

Sachs, S. E. Alexander, B.S. 1912.....New York City
Philosophy

Safir, Shelley Ray, A.M. 1913, A.B. C. C. N. Y. 1912.....New York City
Zoölogy, Botany

Sagendorph, Margaret Alice, A.B. Vassar 1914.....Poughkeepsie, N. Y.
French

Sakamoto, Yoshiharn.....Kyoto, Japan
Economics

Salomon, Matilda L., A.B. Hunter 1913.....New York City
Zoölogy

Salutsky, Jacob B., (equiv.) A.B. Gymnasium Pernow, Russia 1904..New York City
Economics, Public Law, Sociology

Salzman, Marcus, A.B. Cincinnati 1893.....Wilkes-Barre, Pa.
Semitics, Philosophy

Sandhusen, Louis Henry, A.B. 1914.....New York City
Sociology

Sandstein, Leopold Maurice, B.S. Mass. Inst. Tech. 1912.....New York City
Highway Engineering

Sapiro, David, B.S. 1912.....New York City
Biology

Savage, Joseph William, A.B. Clark 1914.....New Britain, Conn.
French

Sawyer, Harold Everett, A.B. Trinity 1913.....Hartford, Conn.
English

Schaff, Jessie, A.B. Hunter 1914.....New York City
Mathematics

Schleicher, Victor Herbert, A.M. 1914, A.B. Indiana 1913.....Irvington, Ind.
History, Public Law

Schlenter, Edgar Richard, A.M. 1914, A.B. Washington 1911..Oak Ridge, N. J.
History

SCHLEITER, FREDERICK, Ph.B. Chicago 1905.....Pittsburg, Pa.
Philosophy, Psychology

SCHLESINGER, GABRIEL, B.S. 1911, A.M. 1914.....New York City
History, Politics

SCHLOSS, CARL, A.B. C. C. N. Y. 1912.....New York City
German

SCHMITZ, A. LOUISE, A.B. Smith 1910.....Waterbury, Conn.
German

SCHMIDT, RICHARD HOMER (n. m.), A.B. Wesleyan 1910.....Hackensack, N. J.
Chemistry

SCHMUCHLER, JACOB HYMAN, B.S. 1914.....New York City
Economics

SCHOENFELDT, EUGENIA NONA, A.B. Hunter 1913.....New York City
German

SCHONBERG, MAX, A.B. 1907.....New York City
History, Economics

SCHLESINGER, GABRIEL, B.S. 1911, A.M. 1914.....New York City
History, Politics

SCHRADER, FRANZ, B.S. 1914.....New York City
Zoölogy, Physiology, Chemistry

SCHRADIECK, COURTANT ENGELBERT, M.D. Rostock i/m 1900.....New York City
Chemistry

SCHWABE, IDA (n.m.).....New York City
German

SCHWARTE, VIRGINIA MARIE, B.S. 1912.....Saratoga Springs, N. Y.
Psychology

SCHWARTZ, ISIDORE ADOPLH, B.S. C. C. N. Y. 1913.....New York City
Physics

SCHWARZ, HENRY STANLEY, A.B. N. Y. Univ. 1911.....New York City
French

DESCHWEINITZ, MARGARET VON TSCHIRSCHKY, A.B. Vassar 1912....Montclair, N. J.
French

SCHWEITZER, DAVID JAMES, A.M. 1913, B.S. C. C. N. Y. 1912.....New York City
Social Economy, Sociology

SCHWIERS, AURELIA, A.B. Hunter 1913.....Mount Vernon, N. Y.
English

SCOTT, HENRY MILLER, A.B. Nebraska 1909, A.M. 1911.....New York City
Sociology, Economics, History

SCRIBNER, ETHEL CYNTHIA (n. m.) A.B. Wellesley 1908.....Cherokee, Ia.
Sociology

SEAL, HARVEY C., A.B. Kansas State Normal 1914.....Meriden, Kan.
Public Law

SEAMAN, EDNA ALICE, Ph.B. Bucknell 1908.....Allentown, Pa.
English

SEAY, HAYNIE HATCHETT, JR., A.B. Richmond 1913.....Blackstone, Va.
Economics

SEELYE, LAURENS HICKOK, A.B. Amherst 1911.....No. Conway, N. H.
Philosophy

SEGAL, MYER, A.M. 1910, A.B. Bates 1909.....Lewiston, Me.
German, English

SEIDMAN, LEO, B.S. Pennsylvania 1912.....New York City
Comparative Literature

SELIGMAN, RENÉE CLAIRE (n. m.).....New York City
History, Politics

SEMMES, DOUGLAS RAMSAY, A.B. Virginia 1912, A.M. 1913.....Richmond, Va.
Economics, Geology, Mining

SEN, JANSHI, E.M. 1914, B.S. National Univ. Pekin 1909.....Kwei Chow, China
Geology, Mineralogy, Chemistry
SHACKELTON, CLARA EVERETT, A.B. 1914.....New York City
English
SHAVIRO, NATHAN, Ph.B. Chicago 1914.....New York City
Philosophy, History
SHAW, MARY EDNA, A.B. Cornell 1902.....Ilion, N. Y.
Mathematics
SHEAR, SAMUEL ALEXANDER, A.B. C. C. N. Y. 1904.....New York City
English
SHEARS, LAMBERT ARMOUR, A.B. 1912, A.M. 1914.....New York City
German, French
SHERIDAN, JOSEPH AUGUSTINE, B.S. 1913, B.E. Cooper Union 1907...New York City
Mathematics
SHERMAN, ARTHUR MASON, A.B. Princeton 1895.....Ruxton, Ind.
Chinese
SHIELDS, ROBERT MCCORMICK, A.B. Williams 1914.....Highland Park, Ill.
English
SHIMATANI, RYOSUKE (equiv. A.B.) Waseda.....Yuu, Japan
Public Law
SHIPLEY, JOSEPH TWADELL, A.B. C. C. N. Y. 1912.....New York City
Comparative Literature, English
SHIRCAS, HYMAN, A.B. C. C. N. Y. 1914.....New York City
Biology
SHLUGER, ALEXANDER LAZAR, B.S. N. Y. Univ. 1914.....New York City
Social Economy
SHUPP, MARY REED, A.B. Wellesley 1907.....West Philadelphia, Pa.
Social Economy
SIDENBERG, CLAIRE LUCILLE (n. m.).....New York City
History
SIEGRIST, MARY, B.S. 1912.....Lebanon, Pa.
English
SIENKNECHT, MARY LILA, A.B. Randolph-Macon Woman's Coll. 1914..Harriman, Tenn
French
SILVER, MEYER I. (n. m.).....New York City
Music
SILVERMAN, ESTELLE LEONORE, A.B. Hunter 1914.....New York City
English
SILVERMAN, HARRY ISAAC, M.E. CORNELL 1912.....New York City
Highway Engineering
SIMBOLI, CASSIDIO, A.B. Colgate 1913.....Galway, N. Y.
Sociology
SIMON, HENRY, A.B. 1914.....New York City
History, Politics
SIMONDS, EUGENE FRANCIS.....Blacktown, Sydney, N. S. W.
A.M. 1913, A.B. Sydney N. S. W. 1910, B.S. 1911
Mathematics, Education
SINBERG, ABRAHAM, A.B. N. Y. Univ. 1914.....New York City
Political Science
SINCLAIR, GREGG MANNERS, A.B. Minnesota 1912.....Minneapolis, Minn.
Sociology
SKIPP, HENRY JOHN, A.M. 1910, A.B. Denison 1904.....New York City
German, English
SLEVIN, MARY ELIZABETH, A.B. St. Lawrence 1909.....New York City
English

SMITH, HILDA WORTHINGTON, A.B. Bryn Mawr 1910, A.M. 1911.....New York City
Social Economy, Psychology

SMITH, JOHN SELMER, A.B. Tennessee 1915.....Jonesboro, Tenn.
Economics

SMITH, MARY KATHARINE, A.B. Hunter 1914.....New York City
Latin

SMITH, MARTIN WALKER, A.B. Ursinus 1906.....Lebanon, Pa.
History

SMITH, RUTH KNOWLES, A.B. Mt. Holyoke 1907.....Orleans, Mass.
English

SMITH, RUSSELL GORDON, A.M. 1914, A.B. Richmond 1911.....Richmond, Va.
Sociology, Economics, History

SNIDER, ANNIE MAUDE, Ph.B. Syracuse 1905.....Cortland, N. Y.
Comparative Literature

SNOW, CHARLES CHAPMAN, B.S. William & Mary 1912.....Wicomie Church, Va.
Chemistry

SOCKMAN, RALPH WASHINGTON, A.M. 1913, A.B. Ohio Wesleyan 1911..Mt. Vernon, O.
History, Public Law

SOKOHL, JACOB NATHANIEL, B.S. 1912 .....New York City
Social Economy, Economics, Sociology

SOMERVILLE, RANDOLPH, A.B. 1914.....Sidney, N. Y.
English

SPARKMAN, COLLYE FREDWARD, ...Bone Cave, Tenn.
A.M. Clark 1911, Ph.D. N. Y. Univ. 1914
French, Spanish

SPEAR, ELWYN HENRY, Ph.B. St. Stephens 1911.....New York City
Sociology

SPENCER, DOROTHY LILIAN, A.B. Smith 1914.....New York City
English

SPENCER, MARCUS ACHESON, A.B. Princeton 1914.....Pittsburgh, Pa.
Psychology

SPER, FELIX, A.B. C. C. N. Y. 1913.....New York City
English

SPIER, DORIS JEANNETTE, A.M. 1913, A.B. Hunter 1910.....New York City
Zoölogy

STABELL, FREDERICK PHILIP (n. m.) .....South Norwalk, Conn.
Highway Engineering

STANFORD, JAMES LELAND, B.S. Georgia 1907.....Hamilton, Ga.
Highway Engineering

STANLEY, ELLA MARIE, Ph.B. Oberlin 1897, A.M. 1904.....So. Manchester, Conn.
English, Comparative Literature, French

STANTON, ADAM NATHANIEL, A.B. Colgate 1913.....Corning, N. Y.
Sociology

STAPLES, THOMAS STARLING, Ph.B. Emory 1904, A.M. Central 1908....Conway, Ark.
History

STARK, MEYER MAURICE, M.D. 1899, A.B. C. C. N. Y. 1895.....New York City
Pathology

STARR, EVELYN CONSTANCE, A.B. Vassar 1912.....Passaic, N. J.
German

STECHER, LORLE IDA, A.B. Bryn Mawr 1912, A.M. 1913.....Philadelphia, Pa.
Psychology, Education

STEEN, JOHN DEE, B.S. Pennsylvania 1909.....South Vineland, N. J.
German

STEHLIN, OTTILIA MARIE.....New York City
English

STEINBERG, ROBERT AARON, B.S. 1914.....New York City
Botany

STERN, NINA WEISS, A.B. Wellesley 1911.....New York City
English

STERN, RICHARD MORRIS, A.M. 1914, A.B. C. C. N. Y. 1911.....New Rochelle, N. Y.
Sociology, Social Economy, History

STEVENS, HERBERT CHESTER, C.E. 1914.....Passaic, N. J.
Sanitary Engineering

STEVENS, MARY SYDNEY, A.B. Adelphi 1909.....Scarsdale, N. Y.
Latin

STEVENSON, JOHN MCGOWN, A.B. Otags Univ. Dunedin, N. Z. 1912....New Zealand
Philosophy

STEWART, ELEANOR GRACE, B.S. 1911.....Pittsburgh, Pa.
Botany

STIER, W. RUDOLF F., A.B. Rutgers 1912.....Sayreville, N. J.
Sociology

STILES, HELEN EMMA DEAS, A.B. Hunter 1911.....Hasbrouck Heights, N. J.
Mathematics

STOCKDALE, GEORGE MAYCHIM.....New York City
A.B. Wesleyan 1910, B.D. Union Theo. Sem. 1914
History

STONE, GRACE AUGUSTA, B.S. 1913.....New York City
Botany

STOUT, PRESLEY DOWNS, A.B. N. Y. Univ. 1912.....East Orange, N. J.
Philosophy

STOUT, ROSEMARY, A.B. Hunter 1910.....New York City
English

STOWELL, CECILE R., A.B. Radcliff 1902.....New York City
Public Law

STOWELL, RUTH KATE, A.B. 1909.....New York City
English

STOWELL, WILLARD ALLEN, B.S. 1912.....Trenton, N. J.
Botany

STRAUSS, FRANK ABRAHAM, A.B. Cornell 1913.....Wilkes-Barre, Pa.
Chemistry

STRAUS H. Grant (n. m.).....New York City
History

STREET, CHARLES LARRABEE, A.B. Yale 1914.....Chicago, Ill.
History

STRONG, EARL D., Ph.B. Grinnell 1909, A.M. Wisconsin 1912.....Ottumwa, Ia.
Economics

STRONG, HAROLD FRANK, A.B. Grinnell 1912.....Ottumwa, Ia.
Sociology

SUCHOFF, LIBBIE, A.B. Hunter 1911.....New York City
History, Sociology

SULLIVAN, ALICE STEPHANIE, B.S. 1911.....New York City
History

SUTTON, C. W., B.S. Washington 1898.....Chester, Pa.
Economics, Sociology

SUTTON, BEATRIX, A.B. Vassar 1913.....New York City
Philosophy

SUTTON, WILLIAM HARRY, B.S. Wesleyan 1914.....Paterson, N. J.
Sociology

SUYDAM, JOHN RICHARD, JR., A.B. Harvard 1908.....New York City
Chemistry, Physics

SWAN, STEWART DUFFIELD, A.B. Monmouth 1912.....Monmouth, Ill.
Chemistry

SWANN, HARVEY JULIAN, A.B. Brown 1905, A.M. Harvard 1906.....Milford, N. H.
French, English

SWARTZ, CHARLES BENJAMIN, A.B. Lafayette 1911, A.B. Oxford 1914..New York City
History, Social Economy

SWARTZ, PHILIP ALLEN, A.B. Lafayette 1910.....Moscow, Russia
History, Public Law

SWEENY, HAROLD JOHN PATTISON, A.B. Princeton 1912.....Trenton, N. J.
Philosophy

SWIFT, ARTHUR LESSUER, A.B. Williams 1913.....New York City
Sociology

SYKES, FLORENCE BURGESS (n. m.).....New York City
History

SYLLA, MARGUERITE KATHARINE (n. m.) A.B. Chicago 1907.....Elgin, Ill.
Social Economy

SYLVANIA, LENA EVELYN, A.M. 1914, A.B. Smith 1912.....New Bedford, Mass.
Romance

SYMMERS, AGNES LOUISE (n. m.).....New York City
German

SZE, YING TSE-YU, B.S. Mass. Inst. Tech. 1914.....Shanghai, China
Mechanical Engineering

TAFT, DONALD REED, A.B. Clark 1914.....Worcester, Mass.
Sociology, Economics

TAI, EN-SAI, A.B. St. John's 1913 (Shanghai).....Hong Kong, China
Public Law

TAKATASHI, SEIGO, B.P.S. Waseda 1913.....Miyagi, Japan
Politics

TAKAGI, KIICHIRO (n. m.).....Tokyo, Japan
Economics

TAKAGI, SHICHIRO.....Tokyo, Japan
Economics

TALLMAN, GLADYS GRIFFITH, A.B. 1911, A.M. 1913, B.Mus. 1913....New York City
Psychology

TALMADGE, HENRY, A.B. Harvard 1899, LL.B. N. Y. Law Sch. 1901..Plainfield, N. J.
Public Law

TAM, TSONE YING, B.Ch.E. Michigan 1914.....Wuchow, China
Chemistry

TANNER, HERMAN BERYL, A.B. C. C. N. Y. 1906.....New York City
English

TANZOLA, JOSEPH JOHN, A.B. 1914.....New York City
Mathematics

TAPLIN, EARL GARFIELD, B.S. 1905.....Oswego, N. Y.
Mathematics

TAYLOR, MARY SNYDER, A.B. Cornell 1902.....Leonia, N. J.
Mathematics

TEA, MARIE ANTOINETTE, A.M. 1914, A.B. Hunter 1905.....New York City
Philology, French, English

TEEL, HAROLD GILBERT, A.B. Dickinson 1911, A.M. 1912.....Shippenburg, Pa.
History, Sociology

TEUNIS, ESTELLE MARGUERITE, B.L. California 1912.....New York City
French, History, English

THATCHER, ANNA SUSANNAH, B.L. Smith 1896.....Winona, Minn.
German

THIERIOT, MATHILDE MARIE.....South Orange, N. J.
History

THOMAS, ANITA, B.S. 1915.....Albuquerque, N. M.
Romance

THOMAS, EVAN WELLING, A.B. Princeton 1912.....Lewisburg, Pa.
History

THOMAS, HARRISON COOK, A.B. Hamilton 1909.....Utica, N. Y.
History, Economics

THOMAS, J. FRANKLIN, A.B. Beloit 1904.....New York City
Sociology, Economics, Public Law

THOMAS, LULA E., B.S. 1910.....Baltimore, Md.
English

THOMAS, RAPHAEL CLARKE, A.B. Harvard 1896, M.D. 1902.....New York City
Social Economy

THOMPSON, ARTHUR HENRY, B.S. Colgate 1907.....Utica, N. Y.
Mathematics

THOMPSON, EDITH MARSHALL, A.B. Radcliffe 1900.....New York City
Mathematics

THOMPSON, ERNEST TRICE, A.B. Hampden-Sidney 1914.....Charleston, W. Va.
Sociology

THOMPSON, SEAL, Ph.B. Chicago 1914.....Glenside, Pa.
History

THOMSON, EVELINE AGNES.....Constantinople, Turkey
A.B. American Coll. for Girls, Constantinople 1909
English

THOMSON, JAMES CLAUDE, B.S. Rutgers 1910, M.S. 1911.....Middlebush, N. J.
Sociology

THORNE, ANNA BUZBY (n. m.).....New York City
History

THURSTON, BEATRICE LAVINE, A.B. Hamline 1898.....St. Paul, Minn.
Philosophy

THURSTON, HENRY WINFRED, A.B. Dartmouth 1886.....New Milford, N. J.
Social Economy, Sociology, Education

TIEDEMANN, KARL (n. m.) A.B. Washington 1912.....St. Louis, Mo.
Latin

TIMMONS, WOFFORD COLQUITT, A.B. Southwestern 1913.....Udall, Kan.
Sociology

TIMONEY, MARY JOSEPHINE, A.B. St. Vincent 1914.....New York City
English

TITUS, LILLA (n. m.).....New York City
English, Psychology

TOBIN, JAMES LEO, B.S. N. Y. Univ. 1911.....New York City
History

TOEPLITZ, JEAN, A.B. Hunter 1910.....New York City
German

TOMIMAS, SHUTARO.....Karatsu, Japan
Public Law

TOMIYAMA, GETTZO (n. m.).....Takuma-mura, Japan
History, Public Law

TOMLIN, STELLA MILLICANT (n. m.) A.B. Adelphi 1905.....New York City
Mathematics

TOMPKINS, ELIZABETH MARIE, A.B. Vassar 1899.....Poughkeepsie, N. Y.
Botany

TONONCHI, KINSAKER, A.B. Michigan 1913.....Tokyo, Japan
Public Law

TOWNSEND, ROLPH SCHELLINGER, B.S. Pennsylvania State 1913....Cape May, N. J.
Highway Engineering

TÖONUDD, ALLAN VICTOR, M.PH. Helsingfors 1913.....Åbo, Finland
Philosophy

TRACY, MARY LOUISE, Ph.B. Vermont 1903.....Shelburne, Vt.
English

TRANSIL, OTTO JOHANNES (n. m.).....New York City
German, French

TREEN, ALFRED WILLIAM (n. m.).....Winthrop, Mass.
Philosophy

TREVEY, BASCOM T. (n. m.) A.B. W. Va. Wesleyan 1913.....Madison, N. J.
Sociology

TROLL, ANNIE MAY, A.B. Washington 1909.....Seattle, Wash.
History

TROSTEN, SOPHIE, A.B. Hunter 1913.....New York City
French

TROWBRIDGE, BLANCHE HORTON, A.B. Mt. Holyoke 1902.....New York City
Semitic

TUCKER, ROBERT LEONARD, A.B. Wesleyan 1913.....New York City
Sociology

TUTTLE, JOHN ROW, A.M. Queen's (Canada) 1912.....Tweed, Ont. Canada
Chemistry

TUTTLE, WILLIAM NATHANIEL, A.B. Grinnell 1912.....Grinnell, Ia.
Sociology

TWEEDY, MARY MURDOCH, A.B. Smith 1911.....New York City
Botany

TYLER, HAZEN GREELEY.....New York City
E.E. Brooklyn Poly. Inst. 1911, M.S. 1912, E.M. 1913
Mathematical Physics, Physics, Mathematics

ULRICH, FREDERICK, A.B. Washburn 1910.....New York City
Sociology

UNDERHILL, NORMA, A.B. Smith 1909.....New York City
English

UNGER, JEANNETTE, A.B. 1914.....New York City
Economics

UPHAM, CARRIE OSBORN, A.B. Goucher 1910, A.M. Minnesota 1914..New York City
History

VALET, EDITH MOORE, A.B. 1912, A.M. 1913.....New York City
Greek, Latin

VAN, YUNG TSUN, B.S. Mass. Inst. Tech. 1913, M.S. 1914.....Shanghai, China
Mathematics, Economics

VERNON, JOSEPH BOYCE, A.B. Wake Forest 1911.....Burlington, N. C.
Economics, Sociology, History

VON NARDOFF, ROBERT.....New York City
Physics

VON VOIGTLÄNDER, MARTHA, C.L. B.S. 1914.....Trenton, N. J.
German

VOYSE, MARY, A.B. 1913, A.M. 1914.....Yonkers, N. Y.
History, Latin

WAITE, JOSEPH RAYMOND, A.B. Princeton 1907, A.M. 1909.....Warriors Mark, Pa.
English

WAGNER, FREDERICK CORTLAND, B.S. Northwestern 1914.....Chesterton, Ind.
Sociology

WALKER, JENNIE ADA, A.B. Rockford 1902.....Rockford, Ill.
Chemistry

WALKER, RICHMOND, A.B. Williams 1914.....Brookline, Mass.
Sociology

WALKER, SHEAFE, A.B. Yale 1913.....Concord, N. H.
Slavonic Languages

WALLACE, ELIZABETH, A.B. Hunter 1909.....New York City
History

WALLIS, ELIZABETH, B.L. Ohio Wesleyan 1904.....Youngstown, O.
History

WALSH, MILDRED ALEXANDER, A.B. Hunter 1914.....New York City
Latin

WALTER, JEANNETTE BOOKMAN (MRS.) (n. m.).....New York City
History

WANG, CHEN-FU, A.M. 1914.....Tientsin, China
Metallurgy, Mining

WANG, CHENG (equiv. A.B.) Peking 1913.....Peking, China
Economics

WANG, HUNG CHUEH, E.E. Lehigh 1914.....Tienkin, China
Physics

WANG-SHIA, CLINFU.....Peking, China
Public Law

WANG, YINCHANG TSENSHAN, A.M. 1912, B.S. Chicago 1910.....Shanghai, China
Geology, Chemistry

WARD, GRACE FAULKNER, A.B. Smith 1900, A.M. Radcliffe 1905.....New York City
Economics, History

WARD, PAUL WILLIAM, A.B. Butler Coll. 1914.....Lebanon, Ind.
Philosophy

WARE, CLARA CROSBY, A.B. Bryn Mawr 1910.....Hingham, Mass.
Zoölogy, Botany

WARREN, BEATRICE, A.B. Coll. of New Rochelle 1912.....Mamaroneck, N. Y.
English

WASTENEYS, HARDOLPH.....New York City
Chemistry

WATRARAI, TOSHIHARU.....Ayasenmura, Japan
Economics, Sociology, History

WATERBURY, ARTHUR E., B.S. 1912.....East Schodack, N. Y.
Sociology

WATSON, DOROTHEA, Ph.B. Chicago 1912.....London, England
German

WATTERMAKER, JACOB (n. m.).....Pittsburgh, Pa.
Economics, History

WAY, HAROLD DAVID, Ph.B. Grinnell 1907.....New York City
Physics

WEAR, ARIO (n. m.).....Bethlehem, Pa.
Highway Engineering

WEBB, CELESTE (n. m.) A.B. Bryn Mawr 1910.....Baltimore, Md.
Social Economy

WEBB, CHARLES THOMAS, A.B. Harvard 1913.....Detroit, Mich.
History

WEBB, CLAUDE ALLEN, B.C.E. Arkansas 1912.....Tipton, Okla.
Highway Engineering

WEBER, PAUL.....Hoboken, N. J.
German

WEBSTER, EDWARD JEROME, A.B. Yale 1914.....New York City
Sociology

WEEKS, ESTELLA TERRY, B.S. 1906, A.M. 1913.....Yonkers, N. Y.
Sociology

WELLS, BETTINA BOORRMANN.....New York City
Economics

WELLS, HERBERT JAMES CLEMENT.....New York City
Sociology
WEEMS, ROGER BUNCH, A.B. Hendrix 1909.....Conway, Ark.
German
WEINER, MEYER, B.S. C. C. N. Y. 1910.....New York City
Mathematics
WEINSTEIN, ALEXANDER, B.S. 1913, A.M. 1914.....New York City
Zoölogy, Physiology, Biological Chemistry
WEIRICH, MARJORIE CECILIA, A.B. Hunter 1907.....New York City
English
WEISS, HARRY, C.E. 1913.....New York City
Bacteriology
WELLENKAMP, JOHN HENRY, A.B. 1913, A.M. 1914.....New York City
Greek, Latin, Classical Archaeology
WELLS, CLARA, A.M. 1911, A.B. Hunter 1909.....New York City
Physics, Astronomy
WENDEL, CORRINNE ROSALYS, A.B. Adelphi 1909, A.M. Wisconsin 1911.New York City
Comparative Literature, English
WENDELL, MAY GODFREY, A.B. 1901.....New York City
German
WENNER, BLANCHE HOWARD, A.B. Wellesley 1905.....Seattle, Wash.
English
WERNER, OSCAR HELMUTH.....New York City
A.B. Central Wesleyan 1910, A.M. Northwestern 1912
German
WESNER, MARY BOYDE, A.B. Bryn Mawr 1910.....New York City
Latin
WESTERVELT, LEONIDAS (n. m.).....New York City
English
WESTON, ARTHUR JAMES, A.B. Lehigh 1904, A.M. Yale 1905.....East Orange, N. J.
English, Comparative Literature
WHALEN, EDWIN ANTHONY, B.S. 1913.....New York City
English
WHALEN, FRANK DANIEL, A.B. St. Josephs 1913.....New York City
English
WHEELER, MAYME, A.B. Kansas 1912.....Guthrie, Okla.
English
WHELAN, FRANCIS RAYMOND, A.B. 1914.....New York City
German
WHITE, EDITH GRACE, A.M. 1913, A.B. Mt. Holyoke 1912.....Allston, Mass.
Zoölogy, Botany
WHITE, LEDA FLORENCE.....Germantown, Pa.
A.B. Bryn Mawr 1904, A.M. Pennsylvania 1913
Sociology, History, Economics
WHITE, REBECCA BENEDICT, A.B. Sweet Briar 1913.....Walton, N. Y.
Sociology
WHITEFORD, MARGARET BARTLETT, B.S. 1914.....New York City
English
WHITNEY, FLOY FISK, B.L. Syracuse 1901.....Malone, N. Y.
English
WIEST, EDWARD, A.M. 1913, A.B. George Washington 1912.....New York City
Economics, Public Law, Sociology
WILDER, HENRY LINCOLN, B.S. Dickinson 1909, A.B. Lebanon Valley 1912, Lebanon, Pa
Highway Engineering
WILDMAN, ALICE, B.S. 1910.....Tuscaloosa, Ala.
Psychology

WILLBACH, HARRY, A.B. C. C. N. Y. 1914.....New York City
Sociology

WILLIAMS, EDGAR JOHN, B.S. 1912.....Wilkes-Barre, Pa.
English

WILLIAMS, EVERETT EIFORT (n. m.).....New York City
Philosophy

WILLIAMS, HOWARD YOLEN (n. m.) A.B. Minnesota 1910.....Minneapolis, Minn.
Sociology

WILLIAMS, HOWARD REES, A.B. Western Reserve 1904.....New York City
History

WILLIAMS, IDA MAY (n. m.) A.B. Adelphi 1907.....Syosset, N. Y.
History

WILLIAMS, JUDITH BLOW, A.M. 1913, A.B. Vassar 1912.....New York City
History, Economics

WILLIAMS, M. EMMA, Ph.B. Wesleyan 1899.....New York City
Latin

WILLIAMS, MINERVA CLAIRE, A.B. Rochester 1906.....Rochester, N. Y.
English

WILMOT, JAMES, B.S. 1908.....New York City
Highway Engineering

WILMOT, MABEL ESTHER, A.B. Cornell 1908.....New York City
History

WILLS, ALVIN LAMAR, A.B. Transylvania 1913.....Pleasureville, Ky.
English

WILLS, HELEN L. A.B. Northwestern 1908.....Indianapolis, Ind.
Comparative Literature

WILSON, ALBERT JAMES MONTGOMERY, PH.B. St. Stephens 1914.....New York City
History

WILSON, MARY CONSTANCE, A.B. Vassar 1907.....Orange, N. J.
History

WILSON, PEARL CLEVELAND, A.M. 1905, A.B. Vassar 1904.....New York City
Greek, Latin, Music

WING, AMY EVERETT, A.B. Smith 1908.....New York City
History

WINKLER, MEYER.....New York City
German

WINSOR, FRANK H., JR., B.S. South Dakota Sch. Mines 1911....Salt Lake City, Utah
Mining, Metallurgy

DE WITT, MARY, B.L. California 1913, M.L. 1914.....Alameda, Cal.
English, Comparative Literature

WOLF, MORRIS, A.B. 1912, A.M. 1914.....Philadelphia, Pa.
History, Philosophy

WOLFF, DOROTHY S., A.B. Bryn Mawr 1912.....New York City
Sociology, Economics, History

WOLFF, MABEL PAULINE, A.B. 1903.....Myerstown, Pa.
History

WOLFF, SOLOMON, A.B. C. C. N. Y. 1908.....New York City
English

WONG, YUEN SU (n. m.).....Canton, China
Politics, Public Law

WOOD, MARY MORTON, A.B. Chicago 1905, A.M. Radcliffe 1906.....New York City
Comparative Literature, French

WOODWARD, BERTHA JOHNSON (n. m.).....Batavia, N. Y.
Sociology

WOODWARD, CHARLES ALEXANDER, A.B. Amherst 1902.....Wakefield, Mass.
History

WOOLEDGE, STANLEYETTE MARGUERITE, A.B. Goucher 1914.....Greenwich, Conn.
Latin

WOOTEN, BENJAMIN ALLEN, B.S. Alabama Poly. Inst. 1911, E.E. 1912..New York City
Physics

WORSTELL, HELEN SKINNER, A.B. Smith 1914.....New York City
History

WORTH, CHARLES ADOLPHUS, A.M. 1909, A.B. C. C. N. Y. 1908.....New York City
Physiology, Botany, Biological Chemistry

WRIGHT, JAMES MARTIN.....Waco, Texas
A.B. William Jewell 1901, Ph.D. Johns Hopkins 1905
Economics

WRIGHT, KENNETH W., B.S. C. C. N. Y. 1903.....New York City
English

WRIGHT, SAMUEL ANTHONY, A.B. Illinois 1913.....Rome, Ga.
Sociology

WRIGHT, WINTHROP ROBINS, A.B. Michigan 1909, A.M. 1912.....New York City
Physics, Mathematics, Chemistry

WU, KAI YIU, A.B. Michigan 1914.....Canton, Ohio
Politics, Public Law, History

WYCKOFF, HARRIET ELVIRA, B.S. 1906.....New York City
History

YAMPOLSKY, CECIL, B.S. Wisconsin 1913.....New York City
Botany, Zoölogy

YANG, KWEEN E., A.M. 1913, A.B. St. John's (China) 1909.....Shanghai, China
Economics, Public Law, Sociology

YANG, SIH-ZUNG, B.S. Worcester Poly. Inst. 1914.....Shanghai, China
Electrical Engineering

YASUI, SEKIJI, A.B. Waseda 1906.....Tokyo, Japan
Politics

YOHALEM, ISABEL, A.B. Hunter 1914.....New York City
English

YOST, RUTH, A.B. Oberlin 1907.....Somerset, O.
Mathematics

YOUNG, BENJAMIN FRANKLIN, A.B. Ohio Wesleyan 1913.....Fredericktown, O.
Sociology

YOUNG, CHARLOTTE SPENCER (n. m.) A.B. Cornell 1901.....New York City
Biology

YOUNG, DONNELL BROOKS, B.S. Amherst 1911.....North Hanover, Mass.
Zoölogy, Geology

YOUNG, ELEANOR MAY, A.B. Wellesley 1910.....Thomson, Ga.
English

YOUNG, WILLIAM HAROLD, A.B. McGill 1912.....Toronto, Canada
History

ZENKER, OTILIE, A.B. Hunter 1912.....New York City
German

ZEYDEL, EDWIN HERMANN, A.B. 1914.....New York City
Greek

ZHEN, MIN SHOU, B.S. Mass. Inst. Tech. 1914.....Shanghai, China
Physics

ZINEO, EDITH BIANCA, A.B. Hunter 1914.....New York City
English

ZINSSER, JOHN SCHARMANN, A.B. Harvard 1914.....Hastings-on-Hudson, N. Y.
Chemistry

ZUNG, YIEN CHUNG, A.B. Cornell 1914.....Shanghai, China
Chemistry

In addition to the 1464 candidates for the degree of Master of Arts or Doctor of Philosophy and non-matriculants, 522 are registered under the Faculty of Philosophy

with Education as their subject of major interest and 73 are registered as unclassified graduates. The names of these candidates appear in the list of graduate students under Teachers College (see page 392).

SUMMARY

Students Primarily Registered under These Faculties	2059
Students from Other Faculties of the University Candidates for the Degree of A.M., LL.M., or Ph.D.:	
From the School of Law	61
From the Schools of Mines, Engineering, and Chemistry	2
From the School of Medicine	3
From the School of Architecture	2
From the School of Journalism	3
Grand Total	2130

868 students matriculated under the Faculties of Political Science, Philosophy, or Pure Science attended the Summer Session of 1914, but did not register for the first semester of the academic year 1914–15.

DISTRIBUTION OF GRADUATE REGISTRATION

	Political Science		Philosophy		Pure Science		Total	
	Major	Minor	Major	Minor	Major	Minor	Major	Minor
Biology	...	2	...	12	89	49	89	63
Chemistry	...	...	...	2	67	33	67	35
Classical Philology	...	3	33	28	...	...	33	31
Education	...	16	373	44	...	9	373	69
Engineering	...	...	...	...	23	6	23	6
Geology and Mineralogy	...	1	...	...	31	36	31	37
History, Economics and Public Law	446	267	...	105	...	1	446	373
Mathematics and Physical Science	...	...	...	39	70	43	70	82
Mining and Metallurgy	...	...	...	...	8	7	8	7
Modern Languages and Literatures	...	7	285	191	...	2	285	200
Music	...	...	...	2	...	...	...	2
Oriental Languages	...	6	16	15	...	1	16	22
Philosophy, Psychology and Anthropology	...	17	88	57	...	3	88	77
Total	**446**	**319**	**795**	**495**	**288**	**190**	**1529**	**1004**

SCHOOL OF ARCHITECTURE

Administrative Board (see p. 9)

Delegate to the University Council (see page 5)

The School of Architecture of Columbia University is a professional school for men and women designed to train its graduates for the active practice of architecture. Founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines (now the Faculty of Applied Science), it was in 1902 made an independent School. It receives two classes of students: (1) Candidates for the degree of Bachelor of Architecture, who must give evidence of having completed the equivalent of two years of academic study in a recognized college (see page 204); (2) candidates for the Professional Certificate of Proficiency, who must pass entrance examinations (see page 197). The curriculum is identical for the two classes and is of indeterminate duration; in general it may be covered in four years.

"Beginning with the year 1917–1918 the School of Architecture will admit only one class of students, namely, Candidates for the degree of Bachelor of Architecture. Such students must give evidence of having completed the equivalent of two years of academic study in a recognized college."

Building and Equipment

In 1912, the School of Architecture took possession of its present quarters in Avery Hall, erected in memory of the late Samuel P. Avery, a benefactor of the University, and of his son, the late Henry O. Avery, an architect, to accommodate the Avery Architectural Library and the School of Architecture. Three floors of the building are occupied by the school.

The Avery Architectural Library, the richest collection of works on architecture and the allied arts in the country, occupies the ground floor of the building, and is open to the public daily from 9 A.M. to 6 P.M. and from 7.30 P.M. to 11 P.M. Its material is available at all times for the purposes of study and illustration in the School.

In addition to this the School possesses, in its own departmental library, a collection of about 18,000 photographs and a number of books chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates, and a large number of original drawings from various sources. The equipment of illustrative material furthermore comprises 10,000 lantern slides of architectural subjects, a fine collection of casts of architectural details, including a large number from ancient and modern

Roman buildings, the gift of the late Charles F. McKim and several valuable models of buildings and of structural details. A smaller working library of books of constant reference, plates and periodicals is maintained in conjunction with the drafting rooms on the upper floors.

Occasional exhibitions of both student and graduate work are held by the School of Architecture. The current work of students in residence, illustrating progressive accomplishments during four years, is hung in the corridors of Avery Hall, and in the exhibition room on the fifth floor of the buiing.

Important collections of sculpture, painting, engraving and the minor arts are shown in the Avery Architectural Library and in addition there are frequent bibliographic and educational exhibitions in the University Library and at Teachers College.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open every day and two evenings in the week, and is very useful for illustrating the historic styles. Sketching cards granting certain additional privileges in the Museum are issued to students on request.

The other collections of the Metropolitan Museum of Art and those of the American Museum of Natural History furnish much admirable illustrative material; while the building activity of the city forms a chronicle of architectural progress in design and construction, governmental, domestic, monumental, ecclesiastic, and commercial.

Except by special action of the Committee on Admissions, regular students under eighteen are not admitted. For regulations governing admission for the certificate of proficiency (see page 353) and for the regulations for the course for the Bachelor's degree in Architecture (see page 353).

In general, all courses in the School of Architecture begin in September and run through the year, although the two terms are separately marked. It is therefore extremely difficult to make adequate arrangements for students who wish to enter in February.

Students desiring to enter with credit for courses pursued in other institutions, must make application in writing to the Curator of the School of Architecture in time to reach him one month before the entrance examinations. The general regulations as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Engineering, and Chemistry (see page 263).

FEES (see page 56)

FELLOWSHIPS AND SCHOLARSHIPS (see page 473)

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of $5 is charged (see page 56). For the dates of the various examina-

tions see the academic calendar. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

The School will furnish lockers, drafting tables, large (40″ × 62″) and small (31″ × 40″) mounts for the projects in design and suitable mounts or frames not larger than 40″ × 62″ for theses, but it will, under no conditions, furnish boards, paper, frames of other than the two standard sizes, or other materials.

All work done in the School, drawings, designs, plates, essays or models, become the property of the School, to be preserved, reproduced, exhibited or returned at its will.

Bachelor of Architecture

Candidates for admission to this course must give evidence of having successfully completed the equivalent of two years of academic studies in a recognized college. Mathematical studies pursued in anticipation of those prescribed in the School of Architecture may be included in such collegiate preparation, and students are advised to carry these studies if possible through the Calculus. The required collegiate preparation must include the equivalent of the elementary French used for admission to Columbia College. Candidates must also show a practical knowledge of free-hand drawing.

"In the case of studies pursued elsewhere than in a recognized college, and offered by the candidate as an equivalent for any part of the college preparation, the Administrative Board of the School will determine each equivalent upon its merits."

In coöperation with Columbia College, a program for a combined course of six years has been arranged. Its object is to enable students in Columbia College to begin the study of architecture early in their college course and to obtain unbroken training in this field until they receive the professional degree. Upon completing the fourth year of this curriculum students receive the degree of Bachelor of Arts and at the end of the whole course, the degree of Bachelor of Architecture. The combined course has decided advantages in soundness of preparation and breadth of culture and it is earnestly commended to young men in preparatory schools who look forward to the study of architecture. Copies of this program may be obtained on application to the Curator of the School or to the Dean of Columbia College.

COURSE FOR THE CERTIFICATE

Program of Studies

A student receives his degree or certificate when he has completed the following prescribed courses:

History of Architecture (21, 22, 23, 24)
History of Ornament (31, 32, 33, 34, 35, 36)
Shades and Shadows (5)
Perspective (A. 7)
Descriptive Geometry (A. 6)

Stereotomy (A. 8)
Drawing (A. 71, 72, 73, 74, 75, 76, 77, 78)
Elements of Architecture (A. 1, 2)
Elementary, Intermediate and Advanced Design including Thesis (A. 61–62, 63–64, 65–66)
Theory of Architecture (A. 51, 52, 53, 54)
Research (A. *21a*, A. *24a*)
History of Painting (A. 91, 92) or
History of Sculpture (A. 93, 94)
Decorative Arts (A. 41, 42)
Mathematics (Math. 1, 8, 9)
Mechanics (Mech. 10)
Plumbing and Drainage (A. 11)
Heating and Wiring (A. 12)
Building Materials (A. 15, 16)
Structural Design (A. 17, 18)
Summer Work (A72*a*, or 74*a*, or 76*a*)

Certain additional courses under the Faculties of Applied and of Pure Science may also be elected by qualified students.

Students in the School of Architecture who desire to be candidates for the degree of Master of Arts or Doctor of Philosophy are subject to the following general provisions:

Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may, with the consent of the faculty of such school, be registered as candidates for the higher degree in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer as the equivalent of four full courses for the degree of Master of Arts and of the two minor subjects for the degree of Doctor of Philosophy, such of his professional courses as may be approved for that purpose by the Dean of the Graduate Faculties.

The requirements for the higher degrees are stated in full in a bulletin entitled "*Instructions for Candidates for the Degree of Master of Arts and Doctor of Philosophy*," which will be sent upon application to the Secretary of the University. This bulletin contains also full information with regard to fellowships, scholarships, prizes, and all other University matters of interest to graduate students.

Graduates of this school and of other schools of architecture maintaining equivalent courses are admitted to the graduate courses in Design and Construction, whether candidates for the higher degrees or not.

The courses in architecture open to candidates for the higher degrees are those numbered above 100 in the Outline of Courses (pp. 71–194).

Schedule of Hours and Classes

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
9	Math. **1** (309, 408 Hm.) Math. **8** (203, 213 Hm.) Math. **15, 16** (202 Hm.) Math. **11** (203 Hm.)	Mech. **9** (405) Arch. Hist., **A 21,22** (408) Arch. Hist., **A 121,122** (408) Dec. Arts, **A 41,42** (407)	Math. **1** (309, 408 Hm.) Math. **8** (203, 213 Hm.) Math. **15, 16** (202 Hm.) Math. **11** (203 Hm.) Mech. **9** (405) Modeling, **A 74** (505)	Mech. **9** (405) Arch. Hist., **A 21,22** (408) Arch. Hist., **A 121,122** (408) Hist. of Painting, **A 91** (407) Hist. of Sculpture, **A 92** (407)	Math. **1** (309, 408 Hm.) Math. **8** (203, 213 Hm.) Math. **15, 16** (202 Hm.) Math. **11** (203 Hm.) Modeling, **A** 74 (505)
10	Drawing, **A 75** (502) Struct. Des., **A 17,18** (405) Arch. Hist., **A 23,24** (408) Arch. Hist., **A 123,124** (408) Anc. Orn't, **A 31,32** (407)	Drawing, **A 71** (502) Plumbing and Drainage, **A 11** (405) Theory of Arch., **A 53, 54** (407)	Modeling, **A 74** (505)	Drawing, **A 71** (502)	Modeling, **A 74** (505) Drawing, **A 75** (502) Struct. Des., **A 17,18** (405) Arch. Hist., **A 23,24**(408) Arch. Hist., **A 123,124** (408)
11	Drawing, **A 75** (502) Shades and Shadows, **A 5** (408) Desc. Geom., **A 6** (408) Math. **10** (303 Hm.)	Drawing, **A 71** (502) Desc. Geom., **A 6** (408) Perspective, **A 7** (408) Bldg. Mat., **A 15,16** (405)	Shades and Shadows, **A 5** (408) Desc. Geom., **A 6** (408) Mod. Orn't, **A 35,36** (407) Math. **10** (303 Hm.)	Drawing, **A 71** (502) Desc. Geom., **A 6** (408) Bldg. Mat., **A 15,16** (405) Med. Orn't., **A 33,34** (407)	Desc. Geom., **A 6** (408) Drawing, **A 75** (502) Shades and Shadows, **A 5** (408) Heating and Wiring, **A 12** (405) Math. **10** (303 Hm.)
1		Theory of Arch., **A 51, 52** (408)	Life Drawing, **A 76** (T. C.) Stereotomy, **A 8** (408)		Life Drawing, **A 76** (T. C.)
2	Drawing, **A 73** (502) Drawing, **A 72** (502)	Elements, **A 1** (408)	Life Drawing, **A 76** (T. C.) Shades and Shadows, **A 5** (Drft. Rm.) Perspective, **A 7** (Drft. Rm.)	Elements, **A 1** (408)	Drawing, **A 73** (502) Life Drawing, **A 76** (T. C.) Drawing, **A 72** (502)
3	Drawing, **A 73** (502) Drawing, **A 72** (502)		Shades and Shadows, & **5** (Drft. Rm) Perspective, **A 7** (Drft. Rm.)		Drawing, **A 73** (502) Drawing, **A 72** (502)

All hours not otherwise assigned after 1.10 P.M., are devoted to Design (**A 61–62, 63–64, 65–66**), except for students taking Elements (**A 1, 2**) in which instruction is given during the afternoons. Courses indicated by odd and even numbers are assigned to first and second terms, respectively.

Numbers in parentheses indicate rooms in Avery Hall. Hm. signifies Hamilton Hall.

Students finding conflicts in their schedule should consult the Curator.

REGISTER OF STUDENTS

SCHOOL OF ARCHITECTURE

CANDIDATES FOR DEGREE

ARNAUD, LEOPOLD.....New York City
ALLISON, JAMES WATERS (Junior in Columbia College).....Richmond, Va.
BARNUM, PHELPS, A.B. Yale 1913.....Mamaroneck, N. Y.
BELKNAP, MAITLAND, Litt.B. Princeton 1912.....New York City
BRAINERD, HARRY BEARDSLEY.....New York City
BRAMWELL, WILLIAM MOFFAT, Ph.B. Yale 1912.....New York City
BRINCKERHOFF, HAROLD TICE, B.S. 1914.....New York City
BUTLER, GEORGE PRENTISS, JR. (Senior in Columbia College).....Yonkers, N. Y.
CLARK, BIRGE MALCOLM, A.B. Stanford 1914.....Stanford, Calif.
COX, DOROTHY HANNAH.....Terre Haute, Ind.
DERRICK, ROBERT OWENS, A.B. Yale 1913.....Buffalo, N. Y.
DIXON, PAUL WILLIAM.....Des Moines, Ia.
FOWLER, ROBERT LUDLOW, A.B. 1910.....New York City
GENTRY, ALONZO HENLEY, JR.....Independence, Mo.
GREENE, GILES POLLARD, A.B. Yale 1911.....Honesdale, Pa.
HALBERT, WILLIAM CARTER.....Vanceburg, Ky.
HARDISON, ROBERT MCKENZIE, B.E. in C.E. N. C. A. M. College 1912..Morven, N. C.
HOLDEN, ARTHUR CORT, Litt.B. Princeton 1912.....New York City
JOSSERAND, LOUIS PETER, B.S. Tex. A. and M. 1913.....Groveton, Tex.
KILBORN, ROBERT CHARLES.....Yonkers, N. Y.
KING, RUFUS FREDERICK, A.B. Yale 1914.....New York City
KONARSKI, MICHAEL MIECZYSLAW, B.S. 1914.....New York City
MCDONNELL, JOE HUNTER.....Little Rock, Ark.
MCFARLAND, ALLAN PARKER, A.B. Leland Stanford 1909.....Danville, Ill.
MAUSOLFF, ALFRED KENNAN.....White Plains, N. Y.
MATTHEWS, STANLEY, A.B. Princeton 1913.....Glendale, O.
MILLER, DARYL B. (Senior in Columbia College).....New York City
MORGAN, SHIRLEY WARNER, A.B. Princeton 1913.....Cincinnati, O.
MORSE, WALTER CRIPPS BLAKE.....Washington, D. C.
NOMLAND, KEMPER.....Buxton, N. D.
PELLEGRINI, P. UGO.....Rome, Italy
POND, DEWITT CLINTON, B.S. Trinity 1908.....New York City
ROBINSON, ALEXANDER COCHRANE, 3RD A.B. Princeton 1914.....Sewickley, Pa.
ROOT, GEORGE FREDERICK, Litt.B. Princeton 1911.....New York City
SALOMONSKY, EDGAR ALLAN, B.S. Washington and Lee Univ. 1911.....Norfolk, Va.
SANDS, WALTER HAROLD (Senior in Columbia College).....Utica, N. Y.
SHAW, CHARLES GREENE, JR., Ph.B. Yale 1914.....New York City
SHEPHERD, WILLIAM EDGAR, JR., A.B. Harvard 1912.....New York City
THIESEN, JOHN HENRY.....Pensacola, Fla.
WALSH, HAROLD VANDERVOORT.....Yonkers, N. Y.
WATKINS, WALTER KENNETH, B.S. 1914.....New York City
WIKANDER, EINAR AXEL.....Helsingfors, Finland
WILCOX, ROLLIN CRAWFORD, A.B. Princeton 1912.....Bloomington, Ill.
WILSON, WALTER FEASEL, A.B. Nebraska 1914.....Lincoln, Neb.
WISEMAN, ROBERT C.....Springfield, O.
WOOD, ALEXANDER HEMSLEY (Senior in Columbia College).....New York City

CANDIDATES FOR CERTIFICATE

ADLER, MORRIS BERNARD.....New York City
AGNE, HARRY G.....New York City
BAIL, FRANK WOOSTER.....New York City
BRODSKY, FRANK.....New York City
BROWN, BACHE HAMILTON.....New York City
BROWN, EARL GORDON.....New York City
BURKE, HERBERT JOHNSON.....Roanoke, Va.
CANDELA, ROSARIO.....New York City
CANNON, CHARLES MADISON, JR.....New York City
COHEN, HENRY.....New York City
COIT, RICHMOND TWEEDY.....South Orange, N. J.
COOK, VERNA.....Spokane, Wash.
DAISLEY, PERCY R.....New York City
DOBSON, DAVID STANTON.....Canastota, N. Y.
DORNIN, ANNE HOWISON.....New York City
FARQUHAR, GEORGE NORMAN.....New York City
FERRIS, DAKIN BENNETT.....Garden City, N. Y.
FINKELSTEIN, HARRY.....New York City
GAMBA, MANUEL.....Havana, Cuba
GARNJOST, WILLIAM TECUMSEH SHERMAN.....Yonkers, N. Y.
GIROUX, LEON MAXWELL.....New York City
GRAEB, GERTRUDE HELEN.....New York City
GREEN, HERBERT P.....Kansas City, Mo.
GREENBERG, JULIUS RUDOLPH.....New York City
HAIRE, THOMAS CORWIN.....Helena, Mont.
HALL, GEORGE BERRIAN.....New York City
HARTLEY, ESDRAS CHARLES.....New York City
HENDERSON, C. RANDELL.....White Plains, N. Y.
HERNÁNDEZ, CARLOS FELIPE.....New York City
HOLT, EVAN LEROY MURRAY.....Yonkers, N. Y.
HOUSTON, CHARLES FREDERICK.....New York City
JONES, WARNER HURLEY.....New York City
KOHN, ALFRED ZOLTAN.....New York City
LACY, PHILIP SAWYER.....New York City
LEE, HOMER RIDDLE.....New York City
LEVY, JOSEPH, JR.....New York City
LICHTENSTEIN, SAMUEL.....Haverstraw, N. Y.
LOESCHER, EMIL.....Harrison, N. Y.
LOMBARDI, ANTHONY.....New York City
MCCORMICK, PAUL JOSEPH.....New York City
MILLER, GEORGE ELBERT.....New York City
MURPHY, BRENDAN JOHN.....New York City
OHTA, SOTARO YOSHIDA.....Tokio, Japan
PAUFOE, REYNOLD E.....New York City
PEARE, H. B.....New Rochelle, N. Y.
PODOLOFF, DAVID.....New Haven, Conn.
PONSFORD, HENRY JORDAN.....El Paso, Tex.
REED, WALTER JAY.....Scarsdale, N. Y.
REYNOLDS, KENNETH GREY.....Albany, N. Y.
ROBIN, EDWIN JEROME.....New York City
RÖNNE, C. E.....Brussels, Belgium
RUDD, JOHN SKEER.....New York City
SEELIG, IRVING.....New York City

Selikowitz, William.....New York City
Spurgeon, Robert Henry.....New York City
Valentine, Jack Doughty.....New York City
Van Name, Carl Snyder.....New York City
Waycott, Frederic Huntley, Jr.....Montreal, Canada
Wetstein, Jacob.....New York City
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NON-MATRICULATED STUDENTS

Beckett, Harold Champ.....Hamilton, Ont.
Bowes, Roscoe E.....Los Angeles, Cal.
De Rosa, Eugene.....New York City
Langenhan, Herman Oscar.....Cleveland, O.
Lindner, Albert Frederick.....Hartford, Conn.
Murawsky, Alfred Karl.....Cleveland, O.
Redmond, John L.....New York City
Riker, Joseph Marsh, Jr.....Newark, N. J.
Salisbury, Hiram Alvin.....Omaha, Nebr.
Spissman, Fred, Jr.....Cleveland, O.
Thayer, Edgar Randolph.....Yonkers, N. Y.
Tinsley, Vernon F.....Ames, Ia.
Younkin, William Le Fevre.....San Diego, Cal.
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SUMMARY

Candidates for degree	46
Candidates for certificates	59
Non-matriculated students	13
Total Architecture	118
Deduct Columbia College students	5
Net total Architecture	113

SCHOOL OF JOURNALISM

ADVISORY BOARD (see page 10)

ADMINISTRATIVE BOARD see page 9)

Delegate to the University Council (see page 5)

Aims

The aim of the School of Journalism is to train for and attract to the journalistic profession young men of character and ability, and to help those already engaged in the profession to acquire the highest moral and intellectual training. It is the object of the School to make better journalists, who will make better newspapers, which will better serve the public.

Building

The building for the use of the School of Journalism is on the southeast corner of Broadway and 116th Street; the external dimensions are 208 feet 8 inches by 55 feet 10 inches, with a height of five stories and basement. The entrance is on the south front, consisting of three doors grouped under a portico of massive columns, and opening into a spacious vestibule, in which are placed medallions of distinguished journalists,a bust of the late Joseph Pulitzer, and a memorial inscription.

The first floor includes, in addition to the administrative offices and a large lecture hall, a typewriting-room specially fitted up for students taking professional courses; the library and newspaper reading-room are on the second floor; on the third, fourth, and fifth floors there are smaller lecture-rooms, class-rooms and studies, numbering about thirty in all, and affording a total seating capacity of about 2,200.

Admission

Advanced Standing

Candidates for admission to the first year must be at least 17 years of age at entrance, and correspondingly older for advanced standing. A certificate of good moral character must be presented, and, in the case of students from other colleges, of honorable dismissal.

For detailed statement of the requirements, both prescribed and elective, and a description of the ground covered by the examinations (see p. 195).

Candidates for admission to advanced standing, upon the basis of certificates of transfer from other colleges, should fill out the appropriate application blank, to be obtained from the Secretary of the University, and file it with the Committee on Undergraduate Admissions before September 1st.

Non-matriculants

Non-matriculated students may be admitted to the School at the discretion of the Director, if they submit evidence of maturity, experience

in professional writing or marked fitness for it. If they take the work prescribed for the degree of Bachelor of Literature for two years and maintain an average grade of B, they may be admitted to advanced standing in candidacy for the degree. Such students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Applications should be made before September 1st to the Chairman of the Committee on Undergraduate Admissions on blanks to be obtained from the Secretary of the University.

Language Test The ability of students to read a French or German newspaper will be tested on their entrance to professional studies at the beginning of the second year. All students, whether admitted on advanced standing or not, must satisfy this requirement before admission to the B.Lit. degree. In special cases, Spanish or Italian may be substituted with the consent of the Director.

REGISTRATION (see page 56)

FEES (see page 57)

SCHOLARSHIPS AND PRIZES (see page 473)

Program of Study The Program of Study for the degree of Bachelor of Literature in Journalism consists of 136 points, each point signifying the satisfactory completion of work requiring attendance one hour a week for one half-year. Lettered courses extend throughout both half-years. In numbered courses, odd numbers designate the first, even numbers the second half-year. A course designated thus: 1–2, 21–22, runs through two half-years, beginning in September.

Candidates for the degree who wish to specialize in some branch of journalism or to continue particular subjects will be allowed to substitute courses of equivalent credit for any of those given below on submission to the Director of an approved program. In preparing such a program they will have the assistance and advice of the members of the staff of the School.

Subject to the foregoing regulations, the satisfactory completion of the following courses, together with the language test above mentioned, is required for the B.Lit. degree:

First Year

English jA (Freshman Composition)	6 points
French J or German J (Newspaper Reading Course)	6 "
Journalism 1–2, History and Principles of Natural Science	6 "
History jA (General Survey)	6 "
Politics j1–2 (Introductory Course)	6 "
Philosophy J (Introductory Course), or a Language, or a Science	6 "
	36 points (18 hours a week)

(In addition to the above, the work in physical education prescribed for College freshmen is required.)

Second Year

Journalism A (a practice course in writing)	6 points
Economics 1–2 (Introductory Course)	6 "
English jB_1–B_2 (Survey of English Literature)	6 "
French J3–J4 or German J3–J4	6 "
History J1–J2 (Recent European History)	6 "
History J3–J4 (Recent American History)	6 "
	36 points (18 hours a week)

Third Year

Journalism B (continuation of Journalism A)	6 points
Journalism 31–2, Newspaper Technic (newsgathering and preparation of copy)	6 "
Journalism 33 (Statistics)	3 "
English J35 (The Bible)	2 "
English J36 (Shakespeare)	2 "
Journalism 34 or *History 56 (The Industrial Revolution)	3 "
*Economics 55–56 (Labor and Trust Problems)	6 "
*Politics 55–6 (Party Government in the United States)	4 "
	32 points (16 hours a week)

Fourth Year

Journalism 41–2, Newspaper Technic (special reporting and interviewing)	6 points
Journalism 43–4, Newspaper Technic (editing and re-writing)	8 "
*Journalism 131–2, Modern European Literature	6 "
*Journalism 141–2, History of Journalism	6 "
*Journalism 143–4, Elements of Law (with special reference to the Law of Libel)	4 "
*Journalism 145–146 (International Relations)	2 "
	32 points (16 hours a week)

A.B. OR B.S. COMBINED WITH B.LIT.

Stenography and Typewriting

Courses in stenography and typewriting are provided in Extension Teaching and students are advised to acquire both as soon as they can. All professional exercises must be submitted in typewritten form after the first half-year.

Admission of Women

The first two years of the curriculum are offered for duly qualified women students at Barnard College; the professional courses of the third and fourth years will be given in the School building and will be open to women on the same conditions as to men.

*May be taken for graduate credit.

REGISTER OF STUDENTS

SCHOOL OF JOURNALISM

FOURTH YEAR—CLASS OF 1915

BAKER, JAMES HENRY, A.B. Minnesota 1913.....Mankato, Minn.
BERNHEIM, ALFRED LAUFER, A.B. 1913.....New York City
BUNTING, FRANK CARPENTER, Ph.B. Dickinson 1914.....Mt. Vernon, Md.
COHN, MEYER, A.B. C. C. N. Y. 1914.....New York City
CORNELL, JOHN FRANCIS.....New York City
COVER, JOHN HIGSON (Senior in Columbia College).....Johnstown, Pa.
DICKEY, CARL, A.B. Montana 1914.....Belt, Mont.
DRURY, KENNETH CHARLES, A.B. Toronto 1914.....Victoria, B. C., Canada
GOODMAN, HENRY ISIDORE.....New York City
GRIFFIN, RICHARD FIELD, A.B. 1914.....New York City
KENNEDY, DAVID SHELTON, A.B. Wake Forest 1912.....Warsaw, N. C.
LEVY, DAVID SAUL.....Pittsburgh, Pa.
LITTLE, LEROY LEWIS, A.M. Illinois 1911.....Champaign, Ill.
MCNAUGHTON, FAYE FISK, A.B. Tri-State 1910.....Ray, Ind.
PAGE, ALLEN S., Ph.B. Yale 1908.....Oakland, N. J.
PETERSON, REUBEN, A.B. Michigan 1914.....Ann Arbor, Mich.
RANDALL, RICHARD RAY, B.L. California 1913.....New York City
ROBERTSON, HUGH WINFIELD, A.M. Vanderbilt 1912.....Hot Springs, Ark.
SCHANG, FREDEROCK CHRISTIAN, JR.....New York City
VOORHIES, JAY, A.B. 1914.....New York City
WOODS, WILLIAM WHITFIELD, A.B. Univ. of Virginia 1914.....Meridian, Miss.

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THIRD YEAR—CLASS OF 1916

ALLEN, MARY NORTON, A.B. Bryn Mawr, 1910.....Worcester, Mass.
ASTROP, ROBERT COLLINS, A.M. Univ. of Virginia 1913.....Surry, Va.
BERND, AARON BLUM, A.B. Univ. of Georgia 1914.....Macon, Ga.
BOWMAN, DAVID WELLER, B.L. Kenyon College 1914.....Greenville, O.
COPELAND, LELAND STANFORD.....Pasadena, Calif.
DE RENNE, WYMBERLEY W.....Savannah, Ga.
DIAMOND, EMANUEL.....New York City
DOYLE, EDWARD RICE.....Buffalo, N. Y.
DUNKIN, ROSALIND FRANCES.....New York City
EVERETT, ROBERTS.....Smith Center, Kans.
FELIX, PAULINE ALLEGRA.....New York City
FOSTER, LEON.....New York City
FROMMER, SAMUEL, A.B.....New Haven, Conn.
GEFFEN, MAXWELL MYLES.....New York City
GRUNBERG, ISIDOR ALFRED.....New York City
HUNTINGTON, RICHARD THOMAS, A.B. Maine 1913.....Augusta, Me.
JACKSON, JOE ASHURST.....Winchester, Ky.
JONES, PAUL FORTIER, A.B. Univ. of Texas 1912.....New York City
KEMP, ROBERT MORRIS, A.B. Williams 1885.....New York City
KLEIN, ISRAEL.....New York City
LANE, MARIAN.....Cincinnati, O.

LAUGHLIN, RUTH, A.B. Colorado 1909.....Santa Fe, N. M.
LEARY, WARREN DENIS.....New York City
LEWIS, EDWIN NEWELL.....New Britain, Conn.
MACKAY, JAMES EDWARD, A.M. Queens Univ. (Ont.) 1914.....Ontario, Canada
MITCHELL, HANNAH.....Lawrence, Kans.
MORGENTHAU, AGNES JOSEPHINE.....New York City
OCHS, IPHIGENE BERTHA, A.B. 1914.....New York City
POTTER, EARL, A.B. Kansas 1913.....Solina, Kans.
ROBERTS, MRS. H. W.....Westfield, N. J.
ROVELSTAD, ERNEST ANDREW, A.B. St. Olaf College, 1912.....Elgin, Ill.
RYPINS, HAROLD, A.B. Minnesota 1914.....St. Paul, Minn.
TOLISCHUS, OTTO DAVID.....New York City
TUCKER, GLENN IRVING, A.B. De Pauw 1914.....Greencastle, Ind.
von SCHRADER, ATRENS HARGADINE, A.B. Harvard 1909.....Laurel, Md.
WEBSTER, MARION ALDRICH, A.B. Wellesley 1909.....North Attleboro, Mass.
WHITE, BETTY TRUMBULL.....New York City
YOUNG, MARY HUNT.....Alpine, Mich.
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SECOND YEAR—CLASS OF 1917

ACKER, JAMES GORDON,.....New York City
BLACK, THOMAS EARL.....Greenfield, Ind.
BOCK, OTTO FREDERICK.....St. Joseph, Mo.
DANAHY, JAMES WILLIAM.....Buffalo, N. Y.
DONNELLY, EDWARD McTAMMANY, A.B. Georgetown Univ. 1914.....Troy, N. Y.
FRISBIE, DANIEL MANNING.....Middlebury, N. Y.
GUTHRIE, ROBERT WESLEY, A.B. Davidson College 1914.....Springfield, W. Va.
HEYMAN, BENJAMIN.....Danbury, Conn.
HOMAN, ANTON PETER.....New York City
KELLY, WILLIAM JOSEPH.....Lexington, Ky.
LANDAU, MORTON SAMUEL.....Pittsburgh, Pa.
MARSHALL, JAMES.....New York City
PITTS, FREDERIC GARDNER.....Warwick, N. Y.
REESE, ROBERT ADDISON.....Eatontown, N. J.
ROBERTS, GEORGE BASSETT.....Washington, D. C.
ROTHMAN, ABRAHAM.....Centerville Sta., N. Y.
RUKEYSER, MERRYLE STANLEY.....New York City
SCULLY, FRANCIS JOSEPH.....New York City
SEADLER, SILAS F.....New York City
SMITH, PALMER.....Fairbury, Nebr.
SMITH, RALPH BEVIN.....Poughkeepsie, N. Y.
SOKOLSKY, GEORGE EPHRAIM.....New York City
SPIERO, GERALD BERNARD.....Galeton, Pa.
STERN, DONALD MACGREGOR.....New York City
TEMPLE, ALAN HARRISON.....Collingswood, N. J.
WATTS, DICKSON GIVEN.....New York City
WELLMAN, WAYNE.....Chicago, Ill.
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FIRST YEAR—CLASS OF 1918

The following students are taking the first year of the course in Journalism, but are subject to the educational control of the Faculty of Columbia College:

ADAMS, WALTER CAMP.....Middleton, N. Y.
CRYSTAL, JOSEPH.....Bloomfield, N. J.

DAVIDSON, HERBERT MARC.....Kansas City, Mo.
DAVIS, ELRICH B.....St. Charles, Ill.
DEBORSKY, MORRIS.....New York City
EAGER, EDWIN NORTON.....New York City
END, GEORGE KENNETH.....Sheboygan, Wis.
ESKEY, CHESTER LEONARD.....Wheeling, W. Va.
FRIEDEL, MORRIS.....Omaha, Nebr.
FUERST, SIDNEY MARSDEN.....Flushing, N. Y.
GARFUNKEL, LOUIS.....New York City
GOLDBERG, ADOLPH.....McKeesport, Pa.
GOULD, PAUL LAWRENCE.....Portland, Me.
HARDENBERGH, WESLEY.....White Sulphur Springs, N. Y.
HART, LORENZ M.....New York City
HOUGH, HENRY BEETLE.....New Bedford, Mass.
HYDE, FRANKLIN OLIVER.....New York City
KAHN, JAMES.....New York City
KEATING, RALPH.....New York City
KESSER, JULIUS.....Highwood, N. J.
KLINE, HAROLD JOSEPH.....Schenectady, N. Y.
LARABIE, LUCIEN.....Deer Lodge, Mont.
LOVEJOY, CLARENCE EARLE.....Pittsfield, Mass.
LUCE, RALPH WALDO.....Milford, Mass.
MACMAHON, THOMAS JOSEPH.....Holyoke, Mass.
MALONE, JOSEPH RALPH.....Pittsford, N. Y.
MANN, LOUIS RICHMAN.....Cobleskill, N. Y.
MILLS, RAYMOND TOWER.....Waltham, Mass.
OPPENHEIMER, FRED SEYMOUR.....New York City
PHILLIPS, CHARLES FRANCIS.....New York City
RISELEY, JOSEPH HIGGINS, 3RD.....Cooks Falls, N. Y.
ROBINSON, GEORGE.....New York City
ROSEN, ALBERT.....New York City
RYSKIND, MORRIS.....New York City
SANGER, ELLIOTT MAXWELL.....New York City
SCHAEFER, KARL AUGUST WILLIAM.....Lynchburg, Va.
SEADLER, ALBERT BERNARD.....New York City
SWIFT, OTIS PEABODY.....Hastings-on-Hudson, N. Y.
TOPALIAN, ASVADZADOOR BARKER.....New York City
WEISS, ARNEST ALFRED.....Forest Hills Gardens, N. Y.
WHEELER, ARTHUR LIVINGSTON.....New York City
WHITE, GEORGE MONROE.....Winthrop, Mass.

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NON-MATRICULATED STUDENTS

ARMSTRONG, RALPH.....Kokomo, Ind.
CALDER, ALONZO BLAND.....New York City
CRAMER, JOHN N. P.....Redondo Beach, Calif.
FEREBEE, SAMUEL HARRELL.....Norfolk, Va.
HOUGH, GEORGE ANTHONY, JR.....New Bedford, Mass.
KENNEDY, ARDIS MORRISON.....Lansing, Mich.
MELLAMED, HARRY CHARLES.....Hartford, Conn.
O'HARA, GEORGE WILLIAM.....Syracuse, N. Y.
TOVE, HARRY BROWNE.....Norwalk, Conn.
WICKERSHAM, LEON MASSEY.....Wilmington, Del.
WORTS, GEORGE FRANK.....Toledo, O.

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SUMMARY

Fourth Year—Class of 1915	20
Third Year—Class of 1916	38
Second Year—Class of 1917	27
First Year—Class of 1918	42
Non-matriculated Students	11
Total	138
Deduct Columbia College Students	1
Net Total	137

BARNARD COLLEGE

President Butler
Dean Gildersleeve
Provost Brewster

Faculty Professors Baldwin, Botsford, Braun, Chaddock, Cole, Crampton, Gerig, Giddings, Hazen, Hirst, Hollingworth, Hubbard, [1]Jacoby, Jones, Kasner, [2]Knapp, Loiseaux, Lord (H. G.), McCrea, Maltby, Montague, Moore (H. L.), [3]Muller, Mussey, Muzzey, Ogilvie, Osburn, Perry, Reimer, Richards, Robinson, Shotwell, Thomas, Trent, Van Hook, Weeks (R.), Wheeler, Miss M. F. Weeks

For other officers who may give instruction to students of Barnard College, consult the several departmental statements.

Committees Members of the University Committee on Undergraduate Admissions: Professors Jones (*Chairman*), Van Hook, Dr. Huttmann, and Dr. Howard

On Instruction: The Provost (*Chairman*), Professors Crampton, Mussey, Raymond Weeks, Ogilvie, Muzzey, and Richards, and the Dean (*ex-officio*)

On Scholarships: The Dean (*Chairman*), Miss Dederer, and Dr. Hutchinson, and the Provost (*ex-officio*)

On Honors: Professors Maltby (*Chairman*), and Hollingworth, Dr. Gregory, and the Dean and the Provost (*ex-officio*)

On Student Organizations: The Dean (*Chairman*), Miss Weeks, Professors Baldwin, Hubbard and Hirst, and the Provost (*ex-officio*)

Delegates to the University Council (see p. 5)

OFFICERS OF ADMINISTRATION (see page 6)

General Statement In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called The Collegiate Course for Women, proved unsatisfactory to both parties. Barnard College was therefore organized in 1898 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institu-

[1] Absent on leave first half-year. [2] Absent on leave second half-year.
[3] Absent on leave 1914–1915.

tions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science, and Pure Science, the laboratory work in science being done at Barnard College.

The numerical growth of Barnard College made inappropriate, however, the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the status which had gradually come into existence. An agreement was accordingly entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is to be found in the current *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

Admission

In addition to the requirements for admission (see page 195), the following has been adopted by Barnard College:

In September, 1915, and thereafter all candidates for admission to the A.B. and B.S. courses at Barnard College, except those who offer the complete elementary requirements in both Latin and Greek, will be required to offer at least three (3) units in modern foreign languages. To meet this requirement a student may offer Elementary and Intermediate French, or Elementary and Intermediate German, or the elementary examinations in any two of the following modern languages: French, German, Italian, Spanish. (For the change in the modern language requirement in college work see page 195.)

Probation

A candidate for admission who has not secured the prescribed $14\frac{1}{2}$ units may be admitted to the freshman class with conditions, if in the judgment of the Committee on Admissions she is qualified to undertake the work of the class. General deficiency in any prescribed subject will disqualify for admission. Except for reasons of weight, a student who has failed to complete a course in a good high school or preparatory school will not be admitted with conditions.

A student admitted conditionally or by credentials from another college or from the State Education Department will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see the *Announcement of Barnard College*,

which can be obtained without charge from the Secretary of Barnard College.

Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 195.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student proves that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for a degree after October 15 in any year.

Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Secretary.

Special students in Barnard College are of two classes: matriculated and non-matriculated.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fourteen and one-half ($14^1/_2$) units of the entrance requirements. (See page 195.) They may, therefore, in event of a change of plan be credited with such of their courses as may coincide with the courses leading to a degree.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations; but must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter. Candidates desiring to pursue merely elementary courses, as in languages, etc., will not be admitted as non-matriculated special students. Ordinarily no work done by a non-matriculated special student may count toward a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Announcement of Barnard College*, which can be obtained without charge from the Secretary of Barnard College.

Matriculation, Registration, Fees

Detailed information regarding matriculation, registration, and fees will be found in the *Announcement of Barnard College*, which can be obtained without charge on application to the Secretary of Barnard College.

DORMITORY (see page 67)

Program of Studies

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

Unless the equivalents are offered for admission, the following courses are prescribed:

Bachelor of Arts

English A and B	12 points
French A and German A (see new requirements below)	12 "
History A	6 "
Latin A or Greek 5–6	6 "
Mathematics A	6 "
Philosophy A[1]	6 "
Physical Education A and B	4 "
Economics A	6 "
Chemistry 5–6 or Physics 1–2	6 "
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoölogy: two half-year courses in addition to Physics 1–2 or Chemistry 5–6 or any course in science that may have been offered for admission	6 "
Major subject	18 "
Free electives to complete the total of	124 "

Modern Languages

Students who enter Barnard College in 1914 and who have offered at entrance at least three (3) units in modern languages (see p. 195), have the option of satisfying, in place of the old requirements above stated, the following new requirements:

No modern language course in college will be prescribed. Before being registered as seniors, all students, except those who have offered the complete requirement in Elementary Greek at entrance or who have taken Greek 1–2 and 3 in college, must satisfy the departments of Romance Languages and Germanic Languages that they have a working knowledge of French and German. In special cases, with the consent of the Committee on Instruction, Spanish or Italian may be substituted for French.

As a rule, the departmental test will take the form of an oral examination in translation at sight. It may be taken at any time during the college course and must be taken before May 1 of the junior year.

A student who offers the complete requirement in Elementary Greek at entrance or who takes Greek 1–2 and 3 in college will be obliged to stand the test in only one of the modern languages.

In 1915 and thereafter the foregoing requirements will be prescribed for all students in the A.B. and B.S. courses.

[1] Or, on recommendation of the department, Philosophy 61–62.

Unless the equivalents are offered for admission, the following courses are prescribed:

Bachelor of Science

English A and B	12 points
French A and German A (see new requirements in modern languages, preceding page)	12 "
History A	6 "
Mathematics A	6 "
Philosophy A[1]	6 "
Physical Education A and B	4 "
Grouped work in science amounting to at least	70 "
which must include:	
A major subject of at least 28 points in one of the following natural sciences: Astronomy, Botany, Chemistry, Geography, Geology, Mineralogy, Physics, Experimental Psychology, and Zoölogy, or in Mathematics: and	
Two minors of at least 12 points each, one in a subject allied to the major and one in a diverse subject, both to be chosen from the foregoing list with the addition of Anthropology, which should, as a rule, be taken only in connection with Botany or Zoölogy as a major.	
Free electives to complete the total of	124 "

Two Years' Course

This general course, which does not lead to a Barnard degree, is designed to furnish the collegiate foundation for professional work in other schools of the University. It comprises from 62 to 76 points of work. The courses prescribed depend upon whether the candidate intends to transfer to the School of Architecture, School of Practical Arts, or the School of Journalism. Full particulars will be found in the announcements of Barnard College and the professional schools concerned.

University Courses

Certain courses in the School of Architecture and the Department of Music and in Teachers College are open to regular students registered in Barnard College. Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, Pure Science and Education, and other courses in the Union Theological Seminary and the New York School of Philanthropy are open to specially qualified Barnard seniors.

After two years of collegiate work in Barnard a student may transfer without examination to the School of Architecture as a candidate for the degree of Bachelor of Architecture, to Teachers College as a candidate for the degree of Bachelor of Science in Practical Arts, or to the School of Journalism as a candidate for the degree of Bachelor of Literature.

Detailed information in regard to these opportunities will be found in the announcements of Barnard College and the other schools concerned.

[1] Or, on recommendation of the department, Philosophy, 61–62.

REGISTER OF STUDENTS

BARNARD COLLEGE

SENIORS—CLASS OF 1915

Candidates for the A.B. Degree

Adair, Helen ..... Kearney, Nebr.
Amidon, Beulah Elizabeth ..... Fargo, N. D.
Ashbrook, Kathryn ..... Kansas City, Mo.
Asserson, Ruth ..... New York City
Banker, Grace Derby ..... Passaic, N. J.
Barnet, Constance Isabel ..... New York City
Bauhan, Linnéa Henrietta ..... Jersey City, N. J.
Belknap, Almira Fredericka ..... New York City
Berger, Edith ..... Bayonne, N. J.
Bernheim, Sara Anna ..... New York City
Bleet, Helen Marjorie ..... New York City
Blumenthal, Helen B. ..... New York City
Bolger, Julia Virginia ..... New York City
Brett, Alice Marie-Louise ..... New York City
Butler, Sarah Schuyler ..... New York City
Carr, Margaret ..... New York City
Chesley, Elsie de Valois ..... New York City
Coates, Mary Isabel ..... New York City
Cogan, Lucy Grace ..... Paterson, N. J.
Conover, Ethel ..... White House Station, N. J.
Cranch, Alice Ruth ..... New York City
Curry, Helen Olivia (Mrs. H. O. Curry) ..... Providence, R. I.
Davis, Edith Rebecca ..... New York City
Dearden, Edwina Mary ..... New York City
Doody, Marie Frances ..... New York City
Earle, Dorothy ..... Hastings-on-Hudson, N. Y.
Engle, Sadie ..... New York City
Erskine, Rhoda ..... New York City
Evans, Ruth Doris ..... New York City
Fernstrom, Thora Marie ..... New York City
Fink, Bertha ..... White Plains, N. Y.
Fleer, Frieda Anna Wilhelmina ..... Mt. Vernon, N. Y.
Fox, Katharine Neal ..... New York City
Fries, Catharine Carrie ..... New York City
Fuller, Annie ..... Jersey City, N. J.
Geraty, Constance Mary ..... Montclair, N. J.
Gilleaudeau, Helen ..... Mamaroneck, N. Y.
Graae, Ruth ..... Perth Amboy, N. J.
Gray, Mary ..... Brookline, Mass.
Greenbaum, Grace Rachel ..... New York City
*Grof, Jessie ..... Ossining, N. Y.
Hardwick, Edith Gertrude ..... New York City

* Candidates for the Teachers College Diploma in Teaching.

HARPER, JOAN.....New York City
HARRER, HARRIET MAY.....New York City
HENRY, EDNA MARY.....New York City
HERZFELD, ALMA JOSEPHINE.....New York City
HICKOK, IRENE COLE.....New York City
HILLAS, MARJORIE.....West Hoboken, N. J.
HOCHSCHILD, GERTRUDE.....New York City
HOROWITZ, RUTH NANETTE.....New York City
HOWE, LUCIE WILSON.....Mount Vernon, N. Y.
HOWELL, FRANCES MARIE.....Paterson, N. J.
HUNLEY, ETHEL VIRGINIA.....New York City
JACKSON, LILLIAN MARGUERITE.....New York City
JACOBSEN, BEATRICE MATHILDE.....Perth Amboy, N. J.
JAMISON, ALMA CHARLOTTE.....New York City
JENKINS, HELEN HARTLEY.....New York City
JONES, ALICE LOUISE.....Los Angeles, Cal.
JORDAN, ANNA ELIZABETH.....New York City
JOURNEAY, HELEN.....Leonia, N. J.
KELLEY, EMMA CORNELIA.....Randolph, Mass.
KELLY, LOUISE FRANCES.....Scranton, Pa.
KEMPTON, IVA TOMPKINS.....Yonkers, N. Y.
KERBY, CATHARINE EDITH.....New York City
KIRCHWEY, FREDA.....New York City
KONG, ANNA FO JIN.....Canton, China
KRAUSE, ESTELLE.....New York City
KRIER, DOROTHY AUGUSTA.....New York City
KRINSKY, HENRIETTA JESSIE POLLAK.....Yonkers, N. Y.
LACHMANN, HELEN ROSE.....New York City
LAMBERT, EMILY GORDON.....Mt. Vernon, N. Y.
LEVI, RAY ELLIOT.....New York City
LEVINSON, ELSIE FREUDENHEIM.....Yonkers, N. Y.
LICHTENSTEIN, HELENA.....New York City
LOURIA, ELEANORE GRACE.....New York City
*LULL, SARA ROWLAND.....Yonkers, N. Y.
MARTIN, LOIS WHITNEY.....New York City
MARX, OLGA JOSEPHINE.....New York City
MAYER, CLARA.....New York City
MEYER, MARGARET NATHAN.....New York City
MILLER, EDA.....New York City
MISCH, HELEN DORA.....New York City
MORGENTHAU, LUCY ROSE.....New York City
MOSES, MILDRED LEE.....New York City
MURPHY, HELEN ANNETTE.....New York City
NELSON, SVEA ANNA CHRISTINE.....Dalton, Mass.
OERZEN, ELSIE MAY.....New York City
OPPENHEIMER, LOUISE MARIAN.....New York City
PADDOCK, ANNA MARGUERITE.....New York City
PALMER, ELIZABETH.....New York City
POLLITZER, MARGARET.....New York City
PULLEYN, VIRGINIA.....New York City
ROOME, SARENA VALENTINE.....Freehold, N. J.
RUDOLPH, MARY FRANCES.....Arkadelphia, Ark.
SAYER, FLORENCE MARYETTE.....New York City
SAYRE, EMMA BERTHOLF.....Warwick, N. Y.
SCHMIDT, ELISABETH MARY NOTBURGER AGNES.....West Hoboken, N. J.
SKINKER, DOROTHY ANNE.....White Post, Va.

SOSKIN, LILLIAN.....New York City
STANBROUGH, DOROTHY.....New York City
STILES, EDITH.....New York City
STOBAUGH, CHARLOTTE WILHELMINA.....Englewood, N. J.
*STOKES, VIOLA MATILDA.....Freehold, N. J.
STORER, DOROTHEA.....Glen Cove, N. Y.
TERRIBERRY, MARGARET.....New York City
TIELEKE, GERTRUDE EMMA HELEN.....New York City
TOBIN, KATE HAGOOD.....Sumter, S. C.
TOTTEN, ISABEL.....New York City
WALKER, LOUISE.....New York City
WASSERMAN, ESTELLE PHYLLIS.....New York City
WEBBER, ALICE JULIETTE.....New York City
WELDON, BEULAH.....New Rochelle, N. Y.
WILLIAMS, KATHARINE.....New York City
WYCKOFF, MARTHA.....Glen Ridge, N. J.
YOUNKER, ROSE MARIE WISE (MRS. I. M. YOUNKER).....New York City
ZAGAT, HELEN.....New York City

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CANDIDATES FOR THE B.S. DEGREE

ANSORGE, FANNIE RICH.....New York City
BREWER, RUTH ELLEN.....New York City
FROELICH, CLARA LILLIAN.....New York City
KUTTNER, ANN GAYLOR.....New York City
MATHISON, ELIZABETH.....New York City
MEYER, IRMA DOROTHY.....New York City
TOBIN, ELISE.....New York City

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Seniors—Class of 1915..... 123

JUNIORS—CLASS OF 1916

CANDIDATES FOR THE A.B. DEGREE

ALBERT, ESTELLE.....Mamaroneck, N. Y.
ALBRECHT, BERTHA MARIE.....New York City
ALEXANDER, BETTY REBA.....New York City
APPELT, ROSALIE.....New York City
APPLEY, DAISY MARIE.....Yonkers, N. Y.
ATHERTON, ELIZABETH GIER.....Wilkes-Barre, Pa.
AUGUR, HELEN EDITH.....Albert Lea, Minn.
BAILEY, ALICE MORTIMER.....New York City
BARNES, GLADYS ORME.....Rutherford, N. J.
BATTA, MADALEINE ANTOINETTE.....New York City
BATTEN, CLARE.....New York City
BATTLE, ELLA.....Rocky Mount, N. C.
BERGHAUS, ELSIE LOUISE.....New York City
BIANCHI, ITALA MARIA.....Orange, N. J.
BLONDEL, DOROTHY MARGUERITE.....New York City
BORDEN, MARION ALLEN.....Grantwood, N. J.
BUONOCORE, BETTINA BEATRICE.....Bridgeport, Conn.
CAROTHERS, FLORENCE EDITH.....New York City
CHANCELLOR, MARIE LOUISE.....Wooster, Ohio
CLARIHEW, MARGARET.....Woodcliffe-on-Hudson, N. J.
COBB, MARGARET CAMERON.....Portsmouth, Va.
COHEN, RUTH.....Watertown, N. Y.
CONKLIN, AGNES MARIA.....New York City
DAVIES, JESSIE HUGHES.....Edgewater, N. J.

Davis, Margaret Forman.....Oak Grove, Ala.
Dean, Dorothy.....New York City
Dean, Isabel.....New York City
Dunphy, Gertrude.....New York City
Exstein, Lillian Ray.....New York City
Fajans, Caroline Ruth.....New York City
Farrell, Grace Ellen.....New York City
Farrell, Mary Dorothy.....New York City
Fezandié, Dorette.....New York City
Fischer, Edith Linden.....New York City
Franklin, Alice Darc.....New York City
Fraser, Dorothy Electa.....Yonkers, N. Y.
Fries, Margaret Evelyn.....New York City
Gianella, Amalia Francesca.....New York City
Gorton, Ethel Paine.....Naugatuck, Conn.
Grossman, Edith.....New York City
Gubner, Pauline Antonia.....New York City
Hall, Dorothy.....New York City
Hall, Elizabeth Bigelow.....New York City
Haring, Evelyn Louise.....Elizabeth, N. J.
Hecht, Rita.....New York City
Hedley, Phyllis.....New York City
Hogan, Olive Regina.....Rochester, N. Y.
Hubbard, Eleanor Heermance.....Sioux City, Ia.
Hubbard, Grace Louise.....New York City
Hughes, Mary Frances.....Bloomfield, N. J.
Hulskamp, Marjorie Virginia.....New York City
Jacoby, Jeanne H.....New York City
Jonas, Senta Sarah Brunhilde.....New York City
Kellner, Marie Jeannette.....New York City
Kelly, Marian Katherine.....Scranton, Pa.
King, Margaret Christina.....New York City
Klopfer, Elma.....New York City
Kohn, Cecelia.....New York City
Lonigan, Mary Edna.....New York City
Lorenz, Carol Ramey.....New York City
Lubetkin, Millicent.....New York City
Lucey, Louise.....Ogdensburg, N. Y.
McKelvey, Ruth.....New York City
MacDonald, Helen Edith.....New York City
Magid, Frances.....New York City
Miller, Dorothy Chace.....New York City
Murnane, Catherine Regina.....New York City
Myers, Dorothy Kenyon.....New York City
Nathanson, Mary Ethel.....New York City
Norris, Nanette.....Vineyard Haven, Mass.
O'Brien, Estelle.....New York City
Pareis, Eva May.....New York City
Pearson, Gladys Irwin.....New York City
Pfeffer, Anna Marie.....New York City
Pine, Mary Beekman.....New York City
Popper, Ottilie.....New York City
Powell, Mary Louise Whitney.....New York City
Randolph, Mildred Fitz.....Newark, N. J.
Rees, Fannie Minna.....New York City
Reges, Ethel.....New York City

RITTENBERG, BEATRICE HELEN.....New York City
ROSENSTEIN, HELEN.....New York City
ROWLAND, EDITH LLOYD.....New York City
ST. JOHN, GRACE EVANS.....New York City
SALOM, RUTH.....New York City
SCHUYLER, GERTRUDE.....New York City
SEIPP, EMMA.....New York City
SHEHAN, MARIE.....New York City
SHRIVE, LILLIAN WORTH.....Yonkers, N. Y.
SIMMONS, MARGARET PERKINS.....Yonkers, N. Y.
SMITH, HELEN VAN ALST.....New York City
STEINTHAL, JULIET ROSINA.....New York City
STOFF, CAROLYN GERTRUDE.....New York City
TALBOT, LOUISE.....Roland Park, Md.
TRUNDLE, ELIZABETH JANE.....New York City
TURNER, DANNELLA.....New York City
WALLACE, ELEANOR NEWTON.....New York City
WALLACH, ESTHER.....New York City
WASHBURN, RUTH FLEMING.....Port Chester, N. Y.
WEIL, MABEL.....New York City
WEINSTEIN, SUSANNE.....New York City
WEISS, CAROL THERESE.....New York City
WELLS, MABEL.....New York City
WILBER, RUBY BIRD.....Sound Beach, Conn.
WOOD, NATALIE FRANCISCA.....Englewood, N. J.

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CANDIDATES FOR THE B.S. DEGREE

BARTHEL, ELSE ANNA SOPHIE.....New York City
BERVY, OLGA.....Bloomfield, Conn.
GOLDSTONE, EDITH HELEN.....New York City
REASER, DOROTHY YVONNE.....Yonkers, N. Y.
ROLF, IDA PAULINE.....New York City

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Juniors—Class of 1916..... 110

SOPHOMORES—CLASS OF 1917

CANDIDATES FOR THE A.B. DEGREE

AARONSON, GRACE GLADYS.....New York City
ACKERMAN, FLORENCE RAIFIELD.....Orange, N. J.
ADAMS, RUTH CLARA.....New York City
ADELSTEIN, GERTRUDE.....New York City
ARCHER, EDITH RUTH.....New York City
ARKINS, CAROL.....New York City
BAUSCH, HELENE.....New York City
BECKER, ELSA MARIA.....New York City
BENJAMIN, RUTH LOUISE.....New York City
BENNETT, SARAH ISABEL.....Georgetown, Conn.
BLOCH, STELLA.....New York City
BOCKHORST, CLARA MAY.....New York City
BONNELL, GRACE.....Elizabeth, N. J.
BREMER, PHEBE ELEANOR.....Maplewood, N. J.
BRODSKY, LENA RICH.....New York City
BUNKER, ADELAIDE DELAMORE VIRGINIA.....New York City
BURGI, LUCIE EMILIE.....New York City
BURNS, ALICE PATRICA.....New York City

Burrows, Beatrice....Bronxville, N. Y.
Burtenshaw, Aimee Dewey....Tarrytown, N. Y.
Callan, Helen....New York City
Collins, Helen Browne....Whitehall, N. Y.
Cook, Minnie Cecilia....New York City
Coulter, Helen Brewster....Austinburg, Ohio
Curnen, Annette Louise....New York City
Curnow, Dorothea Estelle....New York City
Curtiss, Leah Kirby....Tarrytown, N. Y.
Davis, Evelyn Marie....New York City
Dearden, Gertrude Agnes....New York City
Deutsch, Estelle Babette....New York City
Diercks, Grace....Jersey City, N. J.
Dillay, Madeleine....Jersey City, N. J.
Divine, Martha Millicent....New York City
Dunn, Olive Lorinne....New Brunswick, N. J.
Duyn, Evelyn Hall van....New York City
Dwyer, Mary Agnes....New York City
Edmondson, Ruth Bathurst....New York City
Edwards, Nelle Virginia....Martinsburg, W. Va.
Ellis, Rose....Watertown, N. Y.
Fisher, Kathleen Annie....New York City
Flora, Margaret Lucille....Bangor, Pa.
Fox, Janet....New York City
Geer, Cornelia Throop....New York City
Gilbert, Elizabeth....East Orange, N. J.
Girdner, Adela Overton....New York City
Gottlieb, Julia....New York City
Gunzendorfer, Lenore....New York City
Guthrie, Clara Sylvia....New York City
Hahn, Irma....New York City
Hall, Amelia Agnes....New York City
Hallett, Marjorie Mitchell....East Orange, N. J.
Hattorff, Pauline....New York City
Hausle, Eugenie Caroline....New York City
Hayden, Marion Fessenden....New York City
Hecht, Sylvia Sara Rosalind....New York City
Herbert, Mary Kennerly....New York City
Hermann, Anna Catherine Caroline....New York City
Heyman Mildred Edwina....Newburgh, N. Y.
Hiebel, Therese....Newark, N. J.
Huie, Alice Ordania....New York City
Jensen, Ruth Amelia....New York City
Johnson, Balbina Antoinette....New York City
Kahn, Katherine....New York City
Kahrs, Helen Janet....New York City
Kannofsky, Ruth Edna....New York City
Karr, Lucy Elizabeth....Newark, N. J.
Katz, Yetta....New York City
Kennard, Virginia Gladys....Tarrytown, N. Y.
Ketcham, Helen Bowers....Yonkers, N. Y.
Kidd, Gladys Harper....New York City
Kidd, Marion....Buffalo, N. Y.
Koch, Marie Katherine....Middletown, N. Y.
Krause, Geraldine....New York City
Lawrence, Rosemary Geraldine....New York City

LEDERMAN, MINNA.....New York City
LEE, MABEL.....Canton, China
LEET, DOROTHY FLAGG.....New York City
LEET, HELEN WINSOR.....New York City
LEWIN, SADIE.....New York City
LICHTENSTEIN, JULIA VALENTINE.....Hoboken, N. J.
LINDSAY, MARY.....New York City
LOTT, MARIETTA CREED.....New York City
LOWNDES, BEATRICE.....Mount Vernon, N. Y.
LUCKINGS, ALICE PETERS.....New York City
MCENTEGART, CATHERINE JOSEPHINE.....New York City
MCGIFFERT, KATHERINE WOLCOTT.....New York City
MACKEY, MARGUERITE.....Hunter, N. Y.
MADDOW, DORIS.....Passaic, N. J.
MAYHEW, HELEN.....New York City
MARTENS, CHARLOTTE.....Shrub Oak, N. Y.
MERRITT, GRACE RICHARDSON.....New York City
MEYER, IRMA HARRIET.....New York City
MILLER, STELLA MIRIAM.....West New York, N. J.
MINAHAN, MAUDE OLIVE.....New York City
MIRSKY, MIRIAM ESTHER.....New York City
MORDECAI, CONSTANCE.....New York City
MORGAN, EDITH PERCY.....New York City
MORITZ, MERCEDES IRENE.....New York City
MORRIS, CORA HENNEN.....New York City
MOSES, MARGARET MAR.....New York City
MUNTER, ELLA.....New York City
NAMMACK, ALMA FRANCES.....New York City
NATHAN, ROSALIE GOMEZ.....New York City
NEER, IMOGENE.....Paterson, N. J.
NOICE, DOROTHEA.....New York City
OAKLEY, ELSIE WIKOFF.....New York City
OPPENHEIMER, FLORENCE.....New York City
ORIGGI, SARAH.....New York City
PALMER, GLADYS LOUISE.....Philadelphia, Pa.
PAPAZIAN, ELLEN DAWSON CASS.....New York City
PARKER, ELEANOR WILSON.....New York City
PENNOCK, META RUTTER.....Dunellen, N. J.
POLLITZER, ALINE.....New York City
PORTER, LUCY DUBOIS.....New York City
PRITCHARTT, ANNET MUNGER.....Natchez, Miss.
QUACKENBOS, KATHARINE.....New York City
REID, ADA CHREE.....New York City
REQUA CORA SHELDON.....New York City
ROGERS, SABINA AGNES.....New York City
ROS, MADELEINE.....New York City
ROSENBAUM, JEAN PHYLLIS.....New York City
RUBIN, JENNIE.....New York City
RUHL, ALMA GLADYS.....New Rochelle, N. Y.
SABELSON, AGNES MARGUERITE.....Newark, N. J.
SACHS, ELINOR.....New York City
SALZMAN, EVELYN.....New York City
SAUL, AGNES MOCKLER.....White Plains, N. Y.
SCHULTE, AMANDA POGUE.....New York City
SCOTT, HARRIET PITTENGER.....Trenton, N. J.
SEXTON, CAROLINE GRAHAM.....Orange, N. J.

Sours, Wilma Adele.....Portchester, N. Y.
Staples, Jane Gilbert.....Mount Vernon, N. Y.
Stern, Dorothy.....New York City
Stevens, Marion Marjorie.....New York City
Stickland, Georgina Ida.....New York City
Strauch, Marion Webb.....New York City
Struss, Marion.....New York City
Taberini, Elettra.....New York City
Talmage, Mary Van Deventer.....Oyster Bay, N. Y.
Taylor, Lucille Esther.....New York City
Teepe, Viola Irene.....Jersey City, N. J.
Terry, Muriel Kathleen.....New York City
Thompson, Edna.....New York City
Van Auken, Alta Louise.....Newark, N. J.
Van Wagner, Edith Harriett.....Grantwood, N. J.
Wernstedt, Ebba Mary Alice.....New York City
Wheeler, Ruth.....New York City
Wilkens, Eleanor Agnes.....New York City
Williams, Olive Ethelyn.....Englewood, N. J.
Williams, Stella Katherine.....Union City, Tenn.
Wilson, Lillian.....New York City
Wishnieff, Harriet Vivian.....Cullen, Va.
Wobber, Frida Katharine.....New York City
Woititz, Elsa Nettie.....New York City

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Candidates for the B.S. Degree

Chabaud, Marie.....Colchester, Conn.
Cohen, Selma Mabel.....Yonkers, N. Y.
Davenport, Millia Crotty.....Cold Spring Harbor, N. Y.
Frenzel, Anita.....Nyack, N. Y.
Jablonower, Anna.....New York City
Kent, Helen Frances.....New York City
Kirwan, Helen Murray.....New York City
Krasnow, Frances.....New York City
La Fountain, Marion Augusta.....Hackensack, N. J.
Lennon, Margaret Elizabeth.....Hastings-on-Hudson, N. Y.
Levy, Theresa.....New York City
Lewis Esther.....New York City
Pritchard, Edna Watts.....New York City
Schaeffer, Lillian Augusta.....New York City
Schlang, Lily.....New York City
Siegel, Fanny Annice.....Yonkers, N. Y.
Siegel, Frances.....New York City
Siff, Myriam.....New York City
Stromsoe, Solveig.....New York City
Surgeoner, Agnes Mason.....Yonkers, N. Y.
Trowbridge, Kathryn.....New York City
Walther, Helen Elizabeth.....Mount Vernon, N. Y.
Weinstein, Florence.....New York City
Williams, Isabelle Conkling.....New York City
Youngs, Helen Catherine.....New York City

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Candidates for Transfer at the End of Two Years to the Professional Schools of the University

*Fox, Alice Charlotte.....Winfield Junction, L. I.

* Candidate for transfer to the School of Journalism.

*Gretsch, Laura Marcella.....New York City
*Groshens, Madeleine.....Roslyn, Pa.
Levy, Riette.....Savannah, Ga.
Lydecker, Dorothy.....Englewood, N. J.
*McMurray, Madeleine Quick.....Rockville Center, L. I.
*Myers, Mildred Audrey.....New York City
*Nichols, Dorothy Beatrice.....New York City
*Perlman, Phyllis.....New York City
*Sermolino, Maria Camille.....New York City
*Stander, Matilda.....New York City
*Uhlig, Silvia Ernestine.....New York City

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Sophomores—Class of 1917..... 191

FRESHMEN—CLASS OF 1918

Candidates for the A.B. Degree

Accurso, Catherine.....New York City
Adams, Eileen Rose.....New York City
Adler, Stella Elna.....New York City
Amson, Sophia.....New York City
Barber, Florence Gertrude.....New York City
Barber, Mary Foster.....East Mauch Chunk, Pa.
Barrett, Florence.....New York City
Bartlett, Louise.....Hoboken, N. J.
Bates, Alice Marie.....New York City
Bauer, Dorothy Helen.....Elizabeth, N. J.
Baumann, Edith Hortense.....New York City
Bell, Gladys Mae.....East Williston, L. I.
Benham, Rhoda Williams.....Cedarhurst, L. I.
Bennett, Sara Evelyn.....Wilkinsburg, Pa.
Bensel, Mary Cooper.....New York City
Benton, Mildred Wise.....Neosho, Mo.
Bergstrom, Gertrude.....Passaic, N. J.
Bernholz, Maria Theresa Martha.....New York City
Bernholz, Paula.....New York City
Bierman, Florence Sylvia.....New York City
Blake, Dorothy May.....New York City
Boas, Edith.....New York City
Brown, Helen Renwick.....New York City
Brown, Louise Cejanus.....New York City
Brumell, Mary Lilian.....Buckingham, Quebec, Canada
Buch, Elsa Anna.....New York City
Buckbee, Joyce.....Lake George, N. Y.
Budinoff, Ruth Edith.....New York City
Bunzel, Ruth.....New York City
Burns, Charlotte McGovern.....New York City
Burns, Mary Elizabeth.....New York City
Buvington, Ruth Marie.....New York City
Cahen, Edith Rosalie.....New York City
Cahen, Evelyn Gertrude.....New York City
Cederstrom, Ella Frances.....New York City
Child, Francenia Speakman.....New York City
Clark, Florence Myrtle.....Rochester, N. Y.
Cobanks, Alvina Sophie.....New York City
Comstock, Katherine Mary.....New York City

* Candidates for transfer to the School of Journalism.

Conlan, Rosalie Marie.....New York City
Connor, Dorothy Beryl.....White Plains, N. Y.
Cripps, Gladys Marie.....Charlestown, Mass.
Cutler, Kathryn Valentine.....New York City
Cuttrell, Florence Estelle.....New York City
Darrow, Margaret Jane.....New York City
Davidson, Thelma Vera.....Yonkers, N. Y.
Davies, Maude Helen.....Towanda, Pa.
Derivan, Catherine Frances.....Yonkers, N. Y.
Dickson, Charlotte.....Jersey City, N. J.
Diechmann, Hildegard.....New York City
Dirkes, Dorothy Ardell.....New York City
Donahue, May Helen.....Paterson, N. J.
Downing, Maude Elsie.....Yonkers, N. Y.
Doyle, Louise Constance.....New York City
Ehrlich, Bessie.....Swainsboro, Ga.
Epstein, Elizabeth.....New York City
Ferguson, Margaret.....East Orange, N. J.
Fischel, Bertha Marion.....New York City
Fischel, Rose.....New York City
Foote, Isabel.....New York City
Forbes, Marguerite.....Wayne, Neb.
Ford, Ruth.....New York City
Franklin, Adele.....New York City
Frazee, Elizabeth Theresa.....New York City
Gates, Thalia Burissa.....Honeoye Falls, N. Y.
Gerloff, Martha Louise.....Mt. Kisco, N. Y.
Gibb, Alice Stearns.....New York City
Giddings, Lorinda Margaret.....New York City
Gilbert, Veronica.....Croton-on-Hudson, N. Y.
Girdner, Mary Evelyn.....New York City
Graffe, Dorothy.....New York City
Gray, Ethel.....New York City
Gray, Rose Ranf.....New York City
Greenbaum, Isabel.....New York City
Griffiths, Mary Rose Millie.....New York City
Grimm, Elsa Brandon.....New York City
Grimshaw, Carolyn.....New York City
Gross, Anna Gertrude.....New York City
Gross, Edith.....Arlington, N. J.
Grossman, Pauline.....New York City
Guinzburg, Amy.....New York City
Hamburger, Estelle.....New York City
Harrison, Margaret.....New York City
Harrower, Katherine.....New York City
Hart, Lucile Mary.....Pleasantville, N. Y.
Hatch, Florence Reeves.....New York City
Hausel, Harriet Alice Jay.....New York City
Hays, Ruth.....New York City
Heacock, Meme Jeannette.....New York City
Hennessy, Helen Margaret.....Roslyn, N. Y.
Henry, Elizabeth DeMain.....Fremont, Ohio
Herman, Esther.....New York City
Heuterkes, Louise.....Jersey City, N. J.
Heyman, Freda.....Newburgh, N. Y.
Hoch, Susie.....New York City

Holbrook, Helen Shelby.....Mobile, Ala.
Holland, Doonya de Mitkiewicz.....New York City
Holloway, Cona Louise.....New York City
Homan, Grace.....New York City
Hooker, Susan Jane.....Angelica, N. Y.
Horn, Gladys Whitmore.....Freehold, N. J.
Jackson, Mabel Elizabeth.....Norwalk, Conn.
Jacobs, Dorothy Miriam.....New York City
Jennings, Hazel Glover.....New York City
Johnson, Jennie Ann.....New York City
Jones, Harriett Dryden.....Baltimore, Md.
Josephson, Anna.....New York City
Kahn, Dora.....New York City
Keegan, Mary Genevieve.....Ferndale, N. Y.
Keeler, Lucile.....Hopatcong Landing, N. J.
Klenke, Emma Louise.....New Rochelle, N. Y.
Kline, Margaret Demarest.....Nyack, N. Y.
Kloss, Agnes Mersereau.....New York City
Koenig, Hedwig Augusta.....New York City
Lent, Mary Ellen.....Yonkers, N. Y.
Levi, Edna Helen.....New York City
Levison, May Adelaide.....New York City
Levy, Marian.....New York City
Liander, Wendela.....New York City
Liccione, Irma Josephine.....Mount Vernon, N. Y.
Lindh, Gulli Charlotte.....New York City
Livingston, Ruth Helen.....New York City
Lockwood, Marion.....New York City
McCaffrey, Marion Frances.....New York City
McLean, Ethel.....New York City
Man, Mary Elizabeth.....New York City
Markey, Ruth Elizabeth.....New York City
Marquess, Eliza Buckner.....New York City
Mack, Evelyn.....New York City
MacLachlan, Helen.....Yonkers, N. Y.
Mayer, Leonor.....New York City
Mayer, Theresa Rosalind.....New York City
Meyer, Dene Constine.....New York City
Milliken, Rhoda Jameson.....Hasbrouck Heights, N. J.
Mook, Edith May.....Metuchen, N. J.
Morrison, Agnes McKenzie.....Glen Falls, N. Y.
Murtland, Isabelle Alexander.....New York City
Neubauer, Clara Dorothea.....New York City
Newburger, Bessie Gutman.....New York City
Oak, Dorothy.....New York City
Oberle, Louise Isabelle.....Maplewood, N. J.
Oschrin, Elsie.....Jersey City, N. J.
Patterson, Janet Burnside.....New York City
Peters, Joan Saint Michael.....New York City
Pichel, Grace Aquillar.....New York City
Pierce, Helen Guthrie.....Yonkers, N. Y.
Plough, Natalie Katherine.....New York City
Poole, Sylvia Steinfort.....Faribault, Minn.
Pott, Katherine Warhurst.....New York City
Purdy, Helen Alice.....Croton-on-Hudson, N. Y.
Radcliff, Clara Adrianna.....Yonkers, N. Y.

Rau, Hilda Louise.....New York City
Reinke, Eva Anna.....New York City
Richards, Ruth Olive.....Bridgeport, N. J.
Ries, Estelle Hirshberg.....New York City
Robbins, Jeannette Cecilia.....New York City
Rothschild, Margaret Edith.....New York City
Rubenstein, Fannie Evelyn.....New York City
Sanborn, Aline Etta.....New York City
Sayford, Margaret Elizabeth.....New York City
Schiff, Esther.....New York City
Schlauch, Margaret.....Hasbrouck Heights, N. J.
Schulman, Sophia.....New York City
Schuman, Elizabeth.....Hunter, N. Y.
Seadler, Miriam Bertha.....New York City
Sherline, Bertha.....New York City
Shine, Helena.....New York City
Sluth, Elizabeth Martin.....New York City
Smith, Clarice Annie.....Clifton, N. J.
Snyder, Margaret.....New York City
Spark, Pearl Esther.....New York City
Stein, Miriam Henrietta.....New York City
Stevens, Helen Kennedy.....New York City
Stewart, Catherine Darling.....New York City
Stewart, Elizabeth Martha.....New York City
Stewart, Katharine Barron.....New York City
Teall, Dorothy Judd.....Glen Ridge, N. J.
Terriberry, Elizabeth.....New York City
Tiffany, Harriet Wilcox.....New York City
Toledano, Ruth.....New York City
Van Nostrand, Harriet Williams.....Little Neck, L. I.
Wainright, Katharine Marie.....Farmingdale, N. J.
Walker, Beatrice.....New York City
Weinstein, Frances.....New York City
Welleck, Mary Noble.....New York City
Weygandt, Lillian.....New York City
Whipple, Carolyn.....New York City
Williams, Arline Steele.....Silver Lane, Conn.
Williams, Helen Gladys Pinckney.....New York City
Williams, Viola Kirby.....New York City
Williams, Virginia Deborah.....New York City
Wright, Elizabeth.....New York City
Zagat, Ruth Beatrice.....New York City

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Candidates for the B.S. Degree

Dixon, Jennie Ramsay.....New York City
Egan, Rose Marie.....Pocantico Hills, N. Y.
Frazier, Eileen Lucille.....New York City
Goldstein, Helen Frances.....New York City
Hildenbrand, Sophie Mary.....New York City
Hoffman, Elizabeth Mary.....New York City
Hoffman, Jessie Alice Mildred.....New York City
Keck, Dorothy.....New York City
Kenyon, Frieda.....New York City
Klausner, Ida.....New York City
Kliatshco, Lydia Gordon.....New York City
Lennon, Florence Mary.....Hastings-on-Hudson, N. Y.

Mott, Ethel.....New York City
Pfaltz, Mimosa Hortense.....New York CIty
Potter, Grace.....Bronxville, N. Y.
Randell, Dora.....New York City
Rosenbluth, Mathilde.....New York City
Sooysmith, Hilaire.....New York City
Stockbridge, Helen Wiesner.....New York City
Tighe, Susan Marie.....Saratoga Springs, N. Y.
Wachenheimer, Ruth.....New York City
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Candidates for Transfer at the End of Two Years to the Professional Schools of the University

*Adams, Marjory.....Haverhill, Mass.
*Alleman, Marion.....Geneva, N. Y.
*Blout, Mildred.....New York City
Burdakin, Marguerite.....Hastings-on-Hudson, N. Y.
*Burrows, Dorothy Frey.....New York City
Dawbarn, Ethel Gordon.....New York City
*Despres, Berenice Samuel.....New York City
Finegold, Minnie.....New York City
*Grant, Frances Ruth.....Albiquin, New Mexico
Holbrook Helen.....New York City
*Holt, Sigrid Charlotte.....Mount Vernon, N. Y.
*Kladiveo, Lidda.....New York City
*Lewinson, Minna.....New York City
Lockhart, Grace Louise.....New York City
Lownhaupt, Elizabeth.....Ossining, N. Y.
*Metzger, Dorothy.....New York City
*Morehouse, Elinore Adelaide.....Springfield, Mass.
Nichols, Dorothy Evelyn.....New York City
*Rathbone, Grace Olcott.....New York City
*Refregier, Liliane Eugenie.....Omaha, Nebr.
Robb, Christine Cruikshanks.....Tuckahoe, N. Y.
Sinsheimer, Harriet Dorothy.....New York City
*Taylor, Leila Manning.....New York City
*Topping, Ella Frances.....New York City
*Walter, Clementine.....Baltimore, Md.
*Washburn, Marion.....New York City
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Freshmen—Class of 1918.....240

SPECIAL STUDENTS—MATRICULATED

Bartling, Louise Helene.....New York City
Bernheim, Alice R. (Mrs. G. B. Bernheim).....New York City
Boykin, Effie Narcissa.....Atlanta, Ga
Brooks, Elizabeth.....Colorado Springs, Colo.
Brown, Agnes Lyon.....North Water Gap, Pa.
Brownlee, Ruth Bright (Mrs. R. B. Brownlee).....Columbus, Ohio
Carpenter, Margaret Seymour.....New York City
Cramer, Miriam Newcomb (Mrs. J. G. Cramer).....East Orange, N. J.
Dana, Janet Percy.....New York City
Doenhoff, Dorothea von.....Ocean Grove, N. J.
Elder, Maureen.....Hantsport, Nova Scotia
Ely, Mary Lillian.....Dayton, Ohio

* Candidates for transfer to the School of Journalism.

Hale, Dorothea Keep (Mrs. R. L. Hale).....New York City
Hodgson, Balm Mann (Mrs. C. W. Hodgson).....Yonkers, N. Y.
Hoyt, Helen.....New York City
Konovitz, Leah Minnie.....New York City
Levy, Edith Lilian.....New York City
Luckey, Anna Louise.....Lincoln, Nebr.
Lunt, Caroline.....Mount Vernon, N. Y.
Mallon, Evelyn.....Denver, Colo.
Patterson, Claire.....New York City
Pollak, Marion Heilprin (Mrs. W. H. Pollak).....New York City
Ralston, Ruth Angus.....Allenhurst, N. J.
Reder, Frances.....New York City
Reichenbach, Beatrice Herzfeld (Mrs. L. Reichenbach).....New York City
Ross, Gertrude.....New York City
Schafer, Mildred Straus (Mrs. E. Schafer).....New York City
Schechter, Amy Esther.....New York City
Scovil, Elizabeth Adeline.....New York City
Senner, Cora.....New York City
Stebbins, Vernette Maydole.....Norwich, N. Y.
Stillman, Mildred Whitney (Mrs. E. G. Stillman).....New York City

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SPECIAL STUDENTS—NON-MATRICULATED

Aaronson, Rebecca Ena.....New York City
Bedell, Annie (Mrs. A. Bedell).....New York City
Brownell, Adelia.....Wyoming, Ohio
Carey, Cornelia Lee.....West Orange, N. J.
Claflin, Agnes Sanger.....Morristown, N. J.
Day, Madeleine Mastice.....Morristown, N. J.
Degener, Irma.....New York City
Dexter, Ruth Brittain.....Charlottesville, Va.
Du Bois, Helen Jay.....New York City
Ellinger, Grace Jane.....New York City
Emerson, Julia Titus.....New York City
Ford, Juliet Trimble.....New York City
Hofheimer, Grace Mary.....New York City
Horton, Kate Eleanor.....Grand Rapids, Mich.
Kuh, Eleanor (Mrs. E. Kuh).....New York City
Lee, Emma Dunham.....Newport, R. I.
Le Roy, Grace (Mrs. R. Le Roy).....New York City
Lewis, Wealthy Albro.....New York City
Lucado, Margaret Funsten.....Lynchburg, Va.
McCullers, Melba.....Clayton, N. C.
Martin, Mary.....New York City
Mayer, Mathilde Louise.....New York City
Michelson, Henriette.....New York City
*Millar, Laura.....Upper Montclair, N. J.
Mullin, Dorothy Truitt.....New York City
*Norton, Esther King.....New York City
Pratt, Margaret Richardson.....New York City
Spruill, Mary James.....Littleton, N. C.
Stanton, Jessie.....New York City
Stevens, Jeanne.....New York City
Stueven, Hermine Caroline.....New York City
Turitz, Florence P.....New York City
Tuthill, Isabel Hawkins.....New York City
Upton, Lucy.....Orange, N. J.

VAN ALSTYNE, MABEL HUYCK..... New Rochelle, N. Y.
WALKER, MARIE ADELAIDE.....St. Louis, Mo.
WILSON, MARY FLORENCE.....New York City
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SUMMARY

Seniors—Class of 1915:		
Candidates for the Barnard College A.B. degree alone	113	
Candidates for Barnard College A.B. degree and Teachers College diploma in education	3	
Candidates for the Barnard College B.S. degree alone	7	
		123
Juniors—Class of 1916:		
Candidates for the A.B. degree	105	
Candidates for the B.S. degree	5	
		110
Sophomores—Class of 1917:		
Candidates for the A.B. degree	154	
Candidates for the B.S. degree	25	
Students in General Two-Year Course	12	
		191
Freshmen—Class of 1918:		
Candidates for the A.B degree	193	
Candidates for the B.S. degree	21	
Students in General Two-Year Course	26	
		240
		664
Special Students:		
Matriculated	32	
Non-matriculated	37	
		69
University Students	29	
Teachers College Students	107	
		136
Grand Total		869

TEACHERS COLLEGE

Faculty of Education

President Butler

Dean Russell

Professors Bagster-Collins, Baker, Bigelow, Bonser, Cattell, Cohn, Cooley, Dewey, Dodge, Dow, [3]Dutton, Farnsworth, Farrington, Goodsell, Hill, Hillegas, Johnson, Kilpatrick, Kinne, Lodge, McFarlane, [2]McMurry, MacVannel, Monroe, Norsworthy, Pearson, Prettyman, Ruger, [1]Sachs, [3]Smith (D. E.), Stevens, Strayer, Suzzallo, Thorndike (E. L.), Upton (*Secretary*), Wood, Woodbridge, Woodhull

Faculty of Practical Arts

President Butler

Dean Russell

Professors Abbott, Andrews, Bement, Bigelow, Bonser, Broadhurst, Carpenter, Cooley, Cornell, Dow, Fales, Farnsworth, Gies, Goodrich, Goodsell, Keyes, Kinne, Latham, Lucke, McFarlane, Noyes, Nutting, Rose, Sherman (H. C.), Sleffel, Upton (*Secretary*), Van Arsdale, Vulté, Warner, Weick, Whitley, Williams, Winchell, Wood

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Delegates to the University Council (see page 5)

General Statement

Teachers College, founded in 1888, and chartered by the regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College and the College is represented in the University Council by its Dean and representatives elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial repsonsibility for its maintenance. In 1912 the Trustees reorganized the faculty of Teachers College, establishing a Faculty of Education and a Faculty of Practical Arts. By this reorganization Teachers College now consists of two Schools, the School of Education and the School of Practical Arts.

The buildings of Teachers College occupy the block directly north of the University Campus, bounded by 120th and 121st Streets, Amsterdam Avenue, and Broadway.

The Main Building, containing equipment for administration and instruction, and the Bryson Library—the educational library of the

[1] Absent on leave first half-year. [2] Absent on leave second half-year.

[3] Absent on leave 1914–15.

University—is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; by the Macy Manual Arts Building, with its exceptional equipment for work in Fine Arts and Industrial Arts; and by the Household Arts Building. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. On the east of it is Whittier Hall, the residence for the women students of the College. The building of the Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue.

School of Education

The School of Education affords opportunity for the advanced study of educational psychology and sociology, the history and philosophy of education, educational administration, and the various aspects of secondary, elementary, and kindergarten education. It also provides professional training, both theoretical and practical, for teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities. The School of Education is thus a professional school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, Mines, Engineering, and Chemistry.

New Requirements

Since July 1, 1914, the School of Education has been organized on a graduate basis offering only graduate curricula for advanced students leading to the Teachers College diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in education. Such curricula provide work in educational psychology, the history and the philosophy of education, educational sociology, educational administration, secondary education, elementary education, and in research in the methods of teaching the various academic subjects, supplemented by courses in other parts of the University. Teachers College diplomas are awarded to those who demonstrate professional fitness as instructors in Education in colleges and universities, as supervisors, principals, and superintendents of schools of all grades, as heads of academic or education departments in normal and teachers' training schools, and as teachers in secondary schools. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The Horace Mann Schools and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teach-

ing and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

School of Practical Arts

The School of Practical Arts was established to provide in the University system a new type of collegiate education, uniting liberal with technical training, and to prepare special teachers of such technical subjects as household arts, industrial arts, fine arts, music, physical education, and nursing.

The School offers to both men and women who have completed a secondary school course, a program of study four years in length, equivalent in standards of admission and graduation to the traditional college course in letters and science. It includes in its program general cultural subjects, by which any particular curriculum may be enriched and extended, and offers, therewith, a broad and generous technical training, based on adequate instruction in science or the arts by which the student may receive a high type of vocational preparation in the varied fields falling within the scope of the School—in industrial arts, household arts, dietetics, institutional work, public health, fine arts, the art industries, music, and physical training.

The School of Practical Arts is organized as a School of full University grade, parallel to the Colleges of the University; it enjoys all the privileges of University membership, and its graduates receive the credentials of the University.

Admission

Students holding a diploma of graduation from an approved high or secondary school are admitted to the School of Practical Arts on certificate from the principal, provided the high-school course has covered four years' work and has included certain fundamental courses in English, history or foreign languages, and mathematics or science.* Application for admission should be made as far in advance of the desired time of entrance as is practicable, and must include statements from responsible persons that the candidate possesses the qualities of health, character, scholarship, and serious purpose required for successful work in the School of Practical Arts. The application should be made on a blank form which will be sent on request. Candidates, similarly vouched for, may also be admitted on examination of the College Entrance Examination Board or the Committee on Undergraduate Admissions of Columbia University, or on credentials from the Department of Education of the State of New York.

The School reserves the right to restrict admission to the freshman year to the number of one hundred and fifty, and to select these according to merit.

Advanced standing may be granted to students who have completed, in a college, technical school, normal school or training school, courses in

* All candidates for admission are required to offer 14½ units, to include: English, 3 units; mathematics or science, 2 units; foreign languages or history, 2 units; electives, 7½ units.

advance of high-school graduation. An application for admission to advanced standing should be made on a blank form which will be sent on request. For further information in reference to the requirements for admission see page 195.

Program

The courses of study leading to the bachelor's degree occupy four years of work (124 points), for which the usual secondary school education is a required preparation. During the four years of study, approximately one-third of the student's time must be spent in general academic subjects (45 points), approximately one-third in technical subjects and technical training (45 points); the remainder (except for four required points in hygiene and physical training) of the 124 points needed for the degree must be distributed, according to the needs of the student, in either the general or the technical field. The program of study thus requires of all students a certain amount of fundamental general training in academic studies, but allows a freedom of election beyond the minimum requirements; it offers freedom of election in the choice of a group of studies of major interest, but requires systematic and progressive study in the group elected. A two-year professional curriculum leading to the degree of Bachelor of Science in Education and preparing for teaching the Practical Arts is also offered to students who enter with two years of professional, technical, or collegiate training beyond high school. For detailed information, see the *Announcement of the School of Practical Arts*, which may be had from the Secretary of the University.

Degree and Certificates

The successful completion of the four years' course of study is recognized by the conferring by Columbia University of the degree of Bachelor of Science in Practical Arts or Bachelor of Science in Education.

Matriculated students who may be admitted to pursue a more limited course of vocational training, of at least two years, may receive a Departmental Certificate from the School.

Graduate students in the field of practical arts are received into the various departments of Teachers College as candidates for the degree of Master of Arts or Doctor of Philosophy.

Scholarships, Prizes, and Honors (see page 473)

REGISTER OF STUDENTS

Teachers College

School of Education

Graduate Students

Candidates for the Doctor of Philosophy Degree and the Teachers College Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. Minor courses not in Education are given in italics below:

ADAMS, MATTHEW PRIOR, A.M. 1913, B.S. Harvard 1904, *Social Economy* .....New York City

AGNEW, THOMAS, B.S. 1907, A.M. 1908.....Bayonne, N. J.

ANDERSON, HERBERT RAY, A.M. 1914, A.B. Lake Forest 1899.....New York City

BAKER, ELIZABETH W., A.B. Peabody College 1903, A.M. Chicago 1912, Dallas, Texas

BAKER, FRANK LEE, Ph.B. Syracuse 1906.....Yonkers, N. Y.

BATE, GEORGE C., B.S. N. Y. U. 1911.....Yonkers, N. Y.

BAXTER, JESSE HOYT, B.S. 1913, A.M. 1914, *History*.....Murfreesboro, Tenn.

BAYNE, STEPHEN F., A.M. 1903, B.S. C. C. N. Y. 1898.....New York City

BERKSON, ISAAC BAER, A.M. 1914, A.B. C. C. N. Y. 1912.....New York City

BOEHMKE, MATTHIAS, A.M. 1913, A.B. Victoria (S. Africa) 1900, *Social Economy* .....Berlin, Cape Province, S. Africa

BOWMAN, GROVER C., A.B. Williams 1906, A.M. Yale 1912.....Westport, Conn.

BRADY, CHARLES H., A.M. 1912, A.B. Indiana 1907, *English*.....Gaston, Ind.

BROWN, AGNES EWING, B.S. S. Dakota 1900, A.M. Michigan 1905, *English* Roselle, N. J.

BROWN, ALEXANDER, B.S. 1913, M.D. Flower Hospital 1909, *Physical Education* .....Hoboken, N. J.

BULLOCK, WILLIAM WALLACE, A.M. 1914, Ph.B. Colgate 1899, *Economics* .....Hastings-On-Hudson, N. Y.

BUSCH, ELLA ADELINE, A.M. 1910, A.B. Missouri 1902, A. M. Missouri 1904, *Psychology*.....Washington, Mo.

BUTZ, CARRIE, A.M. 1914, A.B. Dickinson 1909, *German*.....Schuylkill Haven, Pa.

CARR, CHARLES FREDERICK, A.B. Missouri 1908, A.M. Missouri 1908, *History* .....Clark, Mo.

CARROTHERS, GEORGE E., A.B. Indiana 1909, *Social Economy*.....Monticello, Ind.

CHIANG, MONLIN, A.M. 1913, B.L. California 1912, *Public Law*.....Shanghai, China

CHINNAPPA, S. PAUL, A.B. Central Mysore (India) 1906, A.M. Chicago 1914 *Psychology*.....Bangalore City, India

CHRISTIANSON, ADDIE O., B.S. 1911, A.M. 1913, A.B. Hunter College 1897 .....New York City

CLARK, MARTHA MILLER, A.B. Vassar 1897, A.M. Vassar 1898 .....East Orange, N. J.

CLARK, MARY AUGUSTA, A.M. 1914, A.B. Mt. Holyoke 1903.....Bedford, N. Y.
CLARKE, HOWARD ERNEST, A.B. Toronto 1909, A.M. Toronto 1911
.....Bernardsville, N. J.
CLIPPINGER, EDGAR, A.B. Doane 1901, A.M. Nebraska 1912.....Sutton, Neb.
COMIN, ROBERT, A.M. 1911, A.B. Princeton 1897.....Richmond Hill, N. Y.
COYNER, MARTIN BOYD, A.B. Concordia 1908, A.M. Virginia 1911, *Social Economy*
.....Waynesboro, Va.
CUMINS, ROY, A.B. Wabash 1909, A.M. Indiana 1914. *Mathematics*.....Ingalls, Ind.
CUMMINS, ROBERT ALEXANDER, B.S. Illinois Wesleyan 1909, A.M. Illinois 1910,
Psychology.....Tacoma, Wash.
DAVIS, SHELDON EMMOR, B.S. Missouri 1907, A.B. Missouri 1908, A.M.
Missouri 1909.....Warrensburg, Mo.
DINSMORE, SUSAN BELL, A.B. Nebraska 1901, A.M. Nebraska 1914, *History*
.....Eugene, Ore.
DUSHKIN, ALEXANDER M., A.M. 1913, A.B. C. C. N. Y. 1911.....New York City
EATON, THEODORE HILDRETH, A.B. Harvard 1900, *Industrial Arts*
.....Gilmanton, N. H.
FICHANDLER, ALEXANDER, A.B. N. Y. U. 1905, *Economics*.....Brooklyn, N. Y.
FOSTER, HERBERT H., Ph.B. Cornell 1906, Ph.D. Jena 1907.....Ottawa, Kan.
FRETWELL, ELBERT K., Ph.B. La Grange 1899, A.M. Brown 1905.....Brooklyn, N. Y.
FRIED, HENRY B.....New York City
FULE, JOSEPH R., A.B. Nebraska 1903, A.M. Nebraska 1912.....Seward, Neb.
GAMBRILL, BESSIE LEE, A.M. 1911, A.B. Western Maryland 1902, *History*
.....Ellicott, Md.
GARVER, FRANCIS MARION, A.M. 1912, A.B. Indiana 1906, *Psychology*
.....Leonia, N. J.
GAST, IRA MORRIS, A.M. 1912.....Hempstead, L. I.
GIFFORD, WALTER JOHN, A.M. 1911, A.B. Oberlin 1907.....Wooster, Ohio
GITTERMAN, ALICE, A.M. 1914, A.B. Smith 1891.....New York City
HARONIAN, GADARINE, A.M. 1914, A.B. American College (Constantinople) 1912,
Romance Language.....Constantinople, Turkey
HICKMAN, JOSEPH, N. K., A.B. Pennsylvania 1899, A.M. Pennsylvania, 1902
.....Lancaster, Pa.
HOLLINGWORTH, LETA STETTER, A.M. 1913, A.B. Nebraska, 1906, *Psychology*
.....New York City
HOVEY, HORACE M., A.B. Brown 1900, A.M. Brown 1901.....New York City
HOWES, LYMAN J., A.M. 1911, A.B. Leland Stanford 1906, *Psychology*
.....New York City
HUNKINS, CARL JOSEPH, A.B. Brown 1908, A.M. Brown 1908.....Newark, N. J.
JANSEN, WILLIAM, B.S. 1908, A.M. 1913.....New York City
KING, LEO H., A.B. Holy Cross 1901, A.M. Wisconsin 1906, *Sociology*
.....Green Bay, Wis.
KLINE, HENRY J., B.S. 1906, A.M. 1908, *Physical Science*
.....Arverne Station, N. Y.
KRAYBILL, DAVID B., A.B. Franklin and Marshall 1911.....Maytown, Pa.
LEARY, DANIEL BELL, A.B. 1910.....New York City
LOOMIS, BURT WEED, B.S. Missouri, 1914.....Belgrade, Mo.
LORAM, CHARLES TEMPLEMAN, A.B. Cambridge (England) 1904, A.M. Cambridge,
(England) 1905.....Durbau, South Africa
MCCALL, WILLIAM ANDERSON, A.M. 1914, B.S. Cumberland 1911, *Psychology*
.....Wolfard, Ky.
MCDONALD, ROBERT ALEXANDER FYFE, A.B. McMaster, 1904, A.M. McMaster 1908,
Sociology.....Waterford, Ontario, Canada
MCLANE, FANNIE MOULTON, A.B. 1907, A.M. 1908, *English*.....New York City
MANKIEWICZ, FRANK, A.M. 1915.....New York City
MARGOSHES, SAMUEL, A.M. 1910, *Sociology*.....New York City

MARRIOTT, JOHN COLEMAN, A.B. Hiram 1903.....New York City
METCALF, THOMAS NELSON, A. B. Oberlin 1912, A.M. Oberlin 1912, *Physical Education*.....Oberlin, Ohio
MILLER, GEORGE FREDERICK, B.S. Missouri 1912, *History*.....Farmington, Mo.
MOXCEY, MARY E., Ph.B. Syracuse 1897, A.M. Oberlin 1907, *Religious Education*.....Syracuse, N. Y.
†MURRAY, ELSIE, A.B. Cornell 1904, Ph.D. Cornell 1907.....Athens, Pa.
NOBLE, STUART GRAYSON, A.B. North Carolina 1907, A.M. Chicago, 1910, *English*.....Jackson, Miss.
O'BRIEN, FRANCIS PAUL, A.B. Lafayette 1908.....South River, N. J.
OSBURN WORTH JAMES, B.S. Missouri State 1910.....Richmond, Mo.
OSTERHUS, PETER OLAI, A.M. 1911, B.Pd. Valparaiso 1905, B. S. Valparaiso 1906, ...Hackensack, N. J.
PETTIT, WALTER WILLIAM, B.S. 1911, A.M. 1912, *Social Economy*....Fredonia, N. Y.
PORTER, DAVID CHALMERS, A.B. Kansas 1904, *Economics*.....Concordia, Kan.
PRYOR, HUGH CLARK, A.B. Colorado 1911, A.M. Colorado 1912, *Sociology* .....Peekskill, N. Y.
QUINN, JAMES JOSEPH, JR., A.B. Amherst 1912, A.M. Harvard 1914, *Economics* .....Whitinsville, Mass.
RANDOLPH, EDGAR DUNNINGTON, A.B. Denver 1911, *Social Economy* .....Flat Rock, Ill.
REAVLEY, JOHN, A.M. 1913, A.B. Wesleyan 1898, *History*.....Gloucester, Mass.
REAVIS, GEORGE H., B.S. Missouri 1911.....Burlington Junction, Mo.
RILEY, JOHN LAWRENCE, B.S. 1913, A.M. 1914.....Springfield, Mass.
ROBINSON, MABEL L., A.M. 1907, *Industrial Arts*.....Waltham, Mass.
ROGERS, AGNES LOW, A.M. St. Andrew (Scotland) 1908, *Psychology* .....Grieff, Scotland
SARAFIAN, KEVORK AVEDIS, B.S. 1913, A.M. 1914, *French*.....New York City
SIBLEY, WINIFRED M., A.M. 1912, A.B. Colorado 1911.....Greeley, Colo.
SILBERSTEIN, NATHAN, A.B. 1905, A.M. 1906.....New York City
STARK, WILLIAM E., A.B. Harvard 1895, A.M. Harvard 1901.....Hackensack, N. J.
STEACY, FREDERICK WILLIAM, A.B. McGill 1897, A.M. McGill 1913, *Psychology* .....Westmount, Quebec, Can.
STEPHENS, L. WALTER, A.B. Princeton 1910, A.M. Princeton 1912 .....Brooklyn, N. Y.
STRUCK, FERDINAND THEODORE, A.M. 1914, B.S. Oregon 1911....Hood River, Oreg.
TAYLOR, HOWARD CROMWELL, A.B. Georgetown 1907, A.M. Georgetown, 1907 *History*.....Columbia, Mo.
TIDYMAN, WILLARD F., A.M. 1914, A.B. Baker 1911, *German*.....New York City
TILTON, HAROLD H., A.B. Harvard 1905.....Elizabeth, N. J.
TOAZ, ROBERT K., A.M. 1913, A.B. Rochester 1893.....Huntington, N. Y.
TRABUE, MARION REX, A.M. 1914, A.B. Northwestern 1911, *Psychology* .....Greencastle, Ind.
VAN BUSKIRK, EDGAR, A.M. 1911, A.B. Rochester 1907.....Brooklyn, N. Y.
VAN WAGENEN, MARVIN JAMES, B.S. 1911, A.M. 1912, *Psychology* .....Ohioville, N. Y.
WAGG, FRANK P., A.M. 1914, A.B. Bates 1901.....Lewiston, Me.
WALSH, JOHN JOSEPH, B.S. 1912, A.M. 1914, *Psychology*.....New York City
WEISER, SAMUEL, B.S. C.C. N. Y. 1910, A.M. N. Y. U. 1912, *German* .....New York City
WELLS, MARGARET ELIZABETH, B.S. 1911, *History*.....Reading, Pa.
WHEAT, FRANK M., A.M. 1910, B.S. Kentucky 1911, *Biological Chemistry* .....Brooklyn, N. Y.
WHITE, HOWARD DARE, A.M. 1914, A.B. Franklin and Marshall 1897, *Psychology* .....Jersey City, N. J.

† Diploma only.

WHITTAKER, BURTIS E., A.M. 1914, A.B. Brown 1898, Pd.B. State Normal (Albany) 1899.....Oyster Bay, N. Y.
WILLIAMS, FREDERICK F., A.B. Amherst 1899, A.M. Amherst 1905 .....Fitchburg, Mass.
WOODY, CLIFFORD, A.B. Indiana 1908, A.M. Indiana 1914, *Psychology* .....Thornton, Ind.
YEATER, LAURA JAMESON, A.B. Wellesley 1900, A.M. Wellesley 1900, *Psychology* .....Sedalia, Mo.
YOUNG, ELIZABETH D., B.S. 1907, A.M. 1908, *Psychology*.....New York City

Candidates for the Master of Arts Degree and the Teachers College Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. The minor courses not in Education are given in italics below:

ALDEN, F. ARLINGTON, B.S. Dartmouth 1913, *English*.....Veryennes, Vt.
ALDRICH, BENJAMIN MCCALL, A.B. Northwestern 1913.....Nyack, N. Y.
ALFKE, ETHEL V., B.S. 1912, *History*.....New York City
ALLEN BELLE JANE, Litt.B. Ohio Wesleyan 1883, M.D. Boston 1914, *Physical Education*.....New York City
ALLEN, WILLIAM SIMMS, A.B. Baylor 1912.....Hico, Tex.
ALSTAT, PHILIP REIS, A.B., C. C. N. Y. 1912, *Physical Science*..South Bethlehem, Pa.
ANDERSON, JOHN GARFIELD, A.B. Amherst 1905.....Cambridge, Mass.
ANDREW, VERA, A.B. Cedarville 1903, A. B. Western Reserve 1905, *English* .....Cedarville, Ohio
ANTHONY, ANNA GENEVIEVE, A.B. Hunter 1904, A. B. Barnard 1907 .....New York City
APISDORF, ALEXANDER, B.S. C. C. N. Y. 1913.....New York City
AYRES, MARY, B.S. Simmons 1911.....New York City
BALCH, FLORA E., B.S. 1909, *Mathematics*.....Lerna, Ill.
BALDWIN, BERTHA, B.S. 1909.....Roxbury, Mass.
BALLOU, WILLARD A., B.S. 1913, B.S. Rhode Island 1904, *Secondary Education* .....Brooklyn, N. Y.
BAMBERGER, FLORENCE EILAU, B.S. 1915.....Baltimore, Md.
BARNES, INA, A.B. West Virginia Wesleyan 1911.....Middlebourne, W. Va.
BARNEY, J. WILLIS, A.B. Elon 1910, *Latin*.....Clearville, Pa.
BARTLETT, WILLARD W., B.S. Colgate 1910.....New York City
BARTON WILLIAM ALEXANDER, A.B. Furman University 1910.....Greenville, S. C.
BEACH, JAMES HARVEY, B.S. State Normal (Kansas) 1914.....Hays, Kans.
BEACH, JESSIE AMELIA, B.S. 1914, *Secondary Education*.....Lowville, N. Y.
BEAR, KATE LUTIE, B.S. 1913, *Household Arts*.....Chatham Center, N. Y.
BECKER, ALMA KATHARINE, A.B. Marietta 1912, *Mathematics*.....Marietta, Ohio
BECKER, CHRISTINE KATHARINE, A.B. Smith 1914, *German*.....Brooklyn, N. Y.
BEHR, ELSA, B.S. 1902, *Mathematics*.....Englewood, N. J.
BEREKMAN, JULIUS C., B.S. C. C. N. Y. 1911, *Agriculture*.....New York City
BERNHEIM, LEO, B.S. C. C. N. Y. 1910, *Physical Science*.....New York City
BIGELOW, LUNA E., B.S. 1907.....Athol, Mass.
BILLING, ARTHUR WILLIAM, A.B. Nebraska 1905.....Berthoud, Colo.
BINKLEY, MERLE EDNA, B.L. Mills, 1913, *Household Arts*.....Turlock, Cal.
BITTERMAN, ALBERT C., B.S. 1913, *Fine Arts*.....Yonkers, N. Y.
BLAKE, ISABEL MALTHER, A.B. Middlebury 1905, *Oriental Languages* .....New London, Conn.
BLAND, ROSE, A.B. Illinois, 1909.....Fayetteville, Ark.
BLEND, ARVA ERASTUS, B.S. 1907.....Glen Ridge, N. J.
BLODGETT, ELIZABETH, B.S. 1914.....New York City

Bluhm, Solomon, A.B. C. C. N. Y. 1914.....New York City
Bodenhom, Oscar H., A.B. Allegheny 1912.....New Bethlehem, Pa.
Boghossian, B. Hagop, A.B. Apostolic (Asia Minor) 1911.....Konia, Turkey
Boughton, Alice C., B.S. 1914.....West Philadelphia, Pa.
Brainard, Albion Hale, A.B. Colby 1888, A.M. Colby 1892....Arlington, N. J.
Braverman, Benjamin, B.S. 1914, *Mathematics*.....Brooklyn, N. Y.
Breuer, William H., B.S. C. C. N. Y. 1908, *English*.....Brooklyn, N. Y.
Brittain, Anna M., A.B. Hunter 1912, *Physical Education*.....New York City
Bromley, Anna O., B.S. Carnegie Institute 1914, *Psychology*.....Uniontown, Pa.
Brown, Cora, A.B. Oberlin 1911.....Sturgis, Mich.
Brown, Corinne, B.S. 1914, *History*.....Chicago, Ill.
Brown, Gladys Arthur, A.B. Wellesley 1914, *Music*.....Farmington, Me.
Brown, Jenoise, A.B. Wisconsin 1914, *Household Arts*.....Pittsfield, Mass.
Brown, Margaret, A.B. Vassar 1906, *Psychology*.....New York City
Brown, Myra S., Ph.B. Alfred 1909, *German*.....Leonardsville, N. Y.
Brown, Robert Alexander, A.B. Marietta 1895.....Wooster, Ohio
Buggy, Julia Veronica, A.B. Hunter 1909, *English*.....New York City
Burk, Ellen Idella, A.B. Minnesota 1909.....Edina, Mo.
Burns, Puis E., B.A. Kirksville 1912.....Channte, Kan.
Buzzelli, Mary C., A.B. Washington 1913.....Moscow, Idaho
Cahoon, Jean Clark, A.B. Smith 1911, *Mathematics*.....New York City
Campbell, Alexander, Ph.B. Alfred 1907, *Social Economy*.....Brooklyn, N. Y.
Carr, James T., A.B. C. C. N. Y. 1907.....New York City
Carroll, Julia Elise, A.B. Barnard 1914, *German*.....Brooklyn, N. Y.
Carsley, Fannie Belle, A.B. Smith 1908.....Bridgton, Me.
Casselman, Francis Raymond, A.B. Friends 1911, B. D. Union Theological 1914.....Abilene, Kan.
Chang, Peng Chun, A.B. Clark 1913.....Tientsin, China
Chase, Alta Blanche, A.B. Michigan 1909, *Mathematics*.....Otsego, Mich.
Chase, Laurence S., B.S. Colgate 1909.....Montclair, N. J.
Ching, Tso Yee, A.B. Pekin 1908.....Canton, China
Chipkin, Israel Solomon, B.S. 1913.....New York City
Chung, Wing Kwong, Canton Christian College, *Administration*....New York City
Cilley, Lucia Hubbard, B.S. 1912.....Brooklyn, N. Y.
Clark, Amelia Elizabeth, A.B. Elmira 1914, *German*.....Troy, N. Y.
Clark, Bertha Winifred, A.B. Columbian 1902.....Hamilton, N. Y.
Coe, Miriam Storrs, B.S. 1911, B.S. Smith 1899.....New York City
Cohen, Abraham, B.S. C. C. N. Y. 1905.....New York City
Cohen, Mariadina, A.B. Hunter 1911, *Physical Education*.....New York City
Coleman, Mary S., A.B. Pittsburgh.....Pittsburgh, Pa.
Colfee, John Edward, A.B. Park 1905.....Berea, Ky.
Colville, Elise, A.B. Hunter 1912.....New York City
Conroy, John F., B.S. C. C. N. Y. 1914.....New York City
Conway, William F., A.B. Seton Hall 1902, A.M. Seton Hall 1904..Edgewater, N. J.
Coombs, Helen Copeland, A.B. 1911, B.S. 1914, *Household Arts*....Yonkers, N. Y.
Coryell, Edna Davies, B.S. 1914, *Houschold Arts*.....Berkeley, Cal.
Coryell, Nancy Gillmore, A.B. 1914, *Latin*.....New York City
Coy, Genevieve Lenore, B.S. 1913, *Psychology*.....New Brighton, N. Y.
Craddock, C. Ethel, A.B. 1913, *English*.....New York City
Cragin, Miriam, A.B. Smith 1912, *Kindergarten Education*.....New York City
Cranston, Georgia, A.B. Dickinson, 1906, *German*.....Harrisburg, Pa.
Crawford, Dorothy, A.B. Vassar 1911.....Summit, N. J.
Crespo, José Daniel, B.S. 1914, *Physical Science*.....Panamá, Panamá
Crissman, George R., A.B. Kansas 1898.....Warrensburg, Mo.
Cummings, Albert John, Jr., A.B. St. Peter's 1914, *Mathematics*.. .....Jersey City, N. J.

Cushman, H. Mary, B.S. 1907.....Reading, Pa.
Daily, Benjamin William, A.B. Baker 1908.....Burrton, Kan.
Daniels, Mary Playter, A.B. Pomona 1906, *Household Arts*.....Claremont, Cal.
Davis, Carrie Gower, A.B. Boston 1910, *Physical Science*.....Somerville, Mass.
Davis, Chester Paul, A.B. Southwestern 1912, *Economics*.....Milan, Kan.
Davis, Nellie J., A.B. Earlham 1914, *English*.....Lansdowne, Pa.
Deacon, Elizabeth, B.S. Iowa State 1913, *Household Arts*.....Ames, Ia.
Demirjian, Zarouhi, A.B. American College (Constantinople) 1909
.....New York City
Dever, Mary M., A.B. Goucher 1912, *Physical Education*.....Baltimore, Md.
De Zeller, M. Cornine, B.S. 1914.....New York City
Dickinson, Mary Ellen, A.B. Smith 1911.....New York City
Dickson, Marguerite, A.B. Hunter 1913.....New York City
Doland, Madeline Sarah, A.B. Oberlin 1914, *Latin*.....Wellington, Ohio
Donham, Hazel, A.B. Bates 1903, *Household Arts*.....Hebron, Me.
Douthett, Walter R., A.B. Ursinus 1912.....Bloomfield, N. J.
Drake, Elva, A.B. Lebanon Univ. 1910, A.B. Defiance Coll. 1914.....Lebanon, Ohio
Dresser, Alice, A.B. Wellesley 1893, *Household Arts*.....Brookline, Mass.
Duncan, William Malcolm, A.B. Lafayette 1904, LL.B. Brooklyn Law 1908
.....Elizabeth, N. J.
East, Anna Merritt, B.S. Nebraska 1912, *Biology*.....Fremont, Neb.
Eccles, August K., B.S. 1910, *Industrial Arts*.....New York City
Edgerton, Edward J., B.S. 1908.....New York City
Edson, Carroll Andrew, B.S. Dartmouth 1914, *Religious Education*
.....New York City
Edwards, Faith, B.S. 1913, *Fine Arts*.....Washington, D. C.
Edwards, Sarah Cornelia, A.B. Mt. Holyoke 1899, *Physical Science*
.....Metuchen, N. J.
Eldridge, Richard B., B.S. St. Lawrence 1915.....Brooklyn, N. Y.
Elfers, Helen Edith, A.B. Western Reserve 1912, *English*.....Kellys Island, Ohio
Ellicott, Leroy Patton, A.B. Iowa 1911, *Industrial Arts*....Perth Amboy, N. J.
Erwin, Rachel, B.S. 1911, A.B. Vassar 1909.....Oak Park, Ill.
Fairbank, Alan Melvin, A.B. Amherst 1911, *Religious Education*..Hatfield, Mass.
Faulkner, Elizabeth, B.S. Missouri 1907, A.B. Missouri 1909, *English*
.....Springfield, Mo.
Ferger, Henri Rabb, B.S. Princeton 1910, *Religious Education*
.....Chattanooga, Tenn.
Fein, Jacob, B.S. 1915.....Brooklyn, N. Y.
Fiebig, Emma, A.B. Hunter 1913, *Mathematics*.....New York City
Fonda, Florence A., *Latin*.....Sharon Springs, N. Y.
Frame, Rachel Moore, A.B. 1910.....Mount Vernon, N. Y.
Freifeld, George F., B.S. Wesleyan 1914, *Physical Science*.....New York City
Funnell, Sarah, B.A. Middlebury Coll. Vermont 1915.....Huntington, N. Y.
Gaffney, Matthew Page, B.S. Colgate 1912.....Williamson, N. Y.
Gale, Eleanore E., A.B. Bryn Mawr 1914.....Worcester, Mass.
Gallup, Myrtis May, A.B. Michigan State Normal College 1914, *English*
.....New York City
Gardner, Marian Wakelee, A.B. Smith 1913, *Religious Education*
.....Chester, N. J.
Garlock, Edith A., Ph.B. Syracuse 1910, *Biology*.....Spencerport, N. Y.
Gaylor, William M., A.B. Susquehanna 1909.....New York City
Geiss, Anna M. C., A.B. Adelphi 1908, *German*.....Brooklyn, N. Y.
Geitz, Elsie Kaye, A.B. Smith 1914, *History*.....Mount Vernon, N. Y.
Gerow, Charles Dudley, A.B. Cornell 1912.....Blooming Grove, N. Y.
Gewirtz, Max, A.B. C. C. N. Y. 1913.....New York City
Gillett, Lucy H., B.S. 1914, *Household Arts*.....Southwick, Mass.

GILLETTE, CHARLOTTE EMMA, A.B. Syracuse 1909.....Watertown, N. Y.
GINSBERG, ISIDORE, B.S. 1915.....New York City
GIPPE, HILDA, A.B. Minnesota 1905.....Watson, Minn.
GOERTZ, MATILDA, A.B. Hunter 1912, *Mathematics*.....New York City
GOLDBLATT, ROSE MILDRED, B.S. 1915.....Norwich, Conn.
GOLLUBIER, EMIL, B.S. 1915.....New York City
GOODMAN, ISRAEL, B.S. 1914, *Mathematics*.....Brooklyn, N. Y.
GORDON, EDITH M., B.S. Simmons 1910, *Household Arts*.....Milton, Mass.
GRAY, J. NEWTON, B.S. 1914, *Mathematics*.....Brooklyn, N. Y.
GROSS, MARY E., A.B. Goucher 1912, *Physical Education*.....Baltimore, Md.
GROSSMAN, JACOB B., A.B. 1908, *History*.....New York City
GUILBEAU, MARY MAGRUDER, B.S. Louisiana 1913.....Baton Rouge, La.
GURLEY, RAYMOND BENNETT, Ph.B. Chicago, 1909.....East Orange, N. J.
GUSSOW, NATHAN, B.S. C. C. N. Y. 1914.....New York City
HAINES, S. DEBORAH, A.B. Oklahoma 1913, *Household Arts*.....Norman, Okla.
HALL, DANIEL ARNOLD CHESTER, Ph.B. Elon 1911.....Burlington, N. C.
HALLORAN, WILLIAM F., B.S. 1914, *Industrial Arts*.....Cortland, N. Y.
HAMEL, GEORGIANA, B.S. 1912.....Newark, N. J.
HAMILTON, ALMA MARY, B.S. Illinois Wesleyan 1901.....Bloomington, Ill.
HANLEY, FRANCES L., B.C. N. Y. U. 1909, *History*.....New York City
HANNA, MARTHA, A.B. Monmouth 1901, *Household Arts*.....Monmouth, Ill.
HARSHBARGER, JAMES FRANCIS, A.B. Illinois 1913.....Arcola, Ill.
HARTLEY, BYRON, A.B. Chicago 1912.....New Albany, Ind.
HARWOOD, M. MARJORIE, A.B. Mt. Holyoke 1914, *English*.....Springfield, Mass.
HAVEN, JANE, Ph.B. Chicago 1908, *English*.....Ottumura, Ia.
HAVENDER, JOSEPH, JR., B.S. C. C. N. Y. 1914, *Biology*.....New York City
HAZEN, BARBARA BETSY, A.B. Vassar 1909, *Household Arts*.....Shirley, Mass.
HENDRICKS, ROWENA, A.B. 1914, *English*.....New York City
HENRY, MARY FRANCES, A.B. Colorado 1905.....Denver, Colo.
HESSELBACH, HENRY V., B.S. 1914, *Physical Science*.....New York City
HILL, CLYDE M., A.B. Drury 1910, *Mathematics*,.....Springfield, Mo.
HINES, JULIAN COLGATE, A.M. North Carolina 1910, *Physical Science*
.....Sinnickson, Va.
HINTON, CHARLES, Ph.B. Mississippi 1898.....Vicksburg, Miss.
HOFFMAN, M. DAVID, A.B. 1915.....Newark, N. J.
HOLLAND, JOSEPHINE NELLE, A.B. Olivet 1914, *German*.....Battle Creek, Mich.
HOLZMAN, ABRAHAM, B.S. Adelphi 1906, *Physical Science*.....Brooklyn, N. Y.
HONEYWELL, MARGUERITE, A.B. Wells 1912, *English*.....Delhi, N. Y.
HONOR, LEO L., A.B. C. C. N. Y. 1914, *Psychology*.....New York City
HORWITZ, MAX, A.B. C. C. N. Y. 1910.....New York City
HOULIHAN, MARGUERITE ANGELA, A.B. St. Elizabeth 1914, *English*
.....Elizabeth, N. J.
HOUSE, FLORENCE E., B.S. 1915.....Salonica, Greece
HOUSE, NATHAN CALEB, B.S. 1913, *English*.....New York City
HUGHES, JOHN EDWARD, A.B. Williams, 1907.....Williamstown, Mass.
HUGGINS, WILLIS NATHANIEL, B.S. 1914, *History*.....Selma, Ala.
HUNT, KATHLEEN, A.B. Middlebury 1913.....Middlebury, Conn.
HUNTINGTON, GEORGE HERBERT, A.B. Williams 1900.....Constantinople, Turkey
HYDE, MARGARET E., A.B. Smith 1895.....New York City
ISAACS MERVIN, A.B. C. C. N. Y. 1913, *Psychology*.....New York City
JACOBS, MORRIS LEE, A.B. C. C. N. Y. 1911, *English*.....New York City
JANNEY, ALMEDA MAY, A.B. Michigan 1908, *History*.....Lambertville, Mich.
JENKINS, ALBION URBAN, B. S. 1913.....East Mauch Chunk, Pa.
JOHNSON, ELLIS A., B.S. C. C. N. Y. 1914, *Mathematics*.....Brooklyn, N. Y.
JOHNSON, MARGARET, Ph.B. Chicago 1913, *Household Arts*.....Cable, Ohio
JONES, NYDIA R., A.B. Michigan 1908.....Vulcan, Mich.

JUDSON, RUTH EMILY, A.B. Oberlin 1910.....Sandusky, Ohio
KANE, EDWIN AUGUSTINE, A.B Fordham 1913.....New York City
KELLEY, ANNIE ELIZABETH, A.B. 1914, *Mathematics*.....Brooklyn, N. Y.
KELLY, EDITH LOUISE, A.B. Leland Stanford 1910.....Berkeley, Calif.
KELLY, LAWRENCE ALOYSIUS, JR., B.S. C. C. N. Y. 1905, *Mathematics*
.....New York City
KEMP, ANNIE BRUNNER, A.B. Hood 1913, *Kindergarten*.....Frederick, Md.
KEMPTON, ETHEL MAY, A.B. 1912.....Yonkers, N. Y.
KIEFFER, HANNAH AMANDA, B.S. 1915.....Millersburg, Pa.
KILBY, KATEBELLE, A.B. Randolph-Macon 1913.....Anniston, Ala.
KIM, TUK SU, A.B. Ohio Wesleyan 1914, *Biology*.....Pyeng Yang, Korea
KING, MABEL GLADWIN, A.B. Carleton 1906, *Household Arts*....Montevideo, Minn.
KINGSBURY, HALE W., A.B. Colgate 1913, *English*.....Susquehanna, Pa.
KINGSBURY, JOHN H., A.B. Dartmouth 1906.....Albany, N. Y.
KNOWLES, FRANK T., A.B. C. C. N. Y. 1894, *Mathematics*.....New York City
KORNS, CHARLES HARVEY, B.S. Mt. Union 1905.....Bradford, Pa.
KREYKENBOHM, CAROLINE, B.S. 1914, *German*.....Mount Vernon, N. Y.
KUDLICH, ROSWITHA, A.B. Swarthmore 1913.....New York City
KÜMMERLE, HARRISON MATTHEW, B.S. C. C. N. Y. 1914, *Industrial Arts*
.....New York City
LA DAME, MARY, A.B. Brown 1906.....North Adams, Mass.
LAMOTHE, ALICE PHILOMENA, A.B. Hunter 1911, *French*.....New York City
LANG, ISOLINE, B.L. Smith 1899, *History*.....New York City
LANGWORTHY, HARRY WELLS, Ph.B. Alfred 1907.....Cornwall-on-Hudson, N. Y.
LANNING, IRENE M., B.S. 1911.....Cuba, N. Y.
LAZARUS, EDWIN MICHLET, A.B. Trinity 1914, *History*.....Bloomsburg, Pa.
LE COMTE, HAROLD, A.B. C. C. N. Y. 1904, *English*.....New York City
LEE, ANNA C., A.B. Hunter 1914, *Latin*.....Lynbrook, N. Y.
LEE, CHARLOTTE EMMELINE, B.S. 1907, A.B. Mt. Holyoke 1907
.....Huntington, N. Y.
LEE, EDWIN A., B.S. 1914, *Industrial Arts*.....Chico, Cal.
LEIGH, ROBERT REVORE, A.B. Bowdoin 1914, *History*.....Seattle, Wash.
LEVENE, HARRY, B.S. 1908.....Brooklyn, N. Y.
LEW, TIMOTHY TINGFANG, A.B. 1914.....Athens, Ga.
LEWIS, JANE E., A.B. Hunter 1906, *Mathematics*.....New York City
LICHTENBERG, JOSEPH, B.S. C. C. N. Y. 1912, *Mathematics*.....New York City
LICHTENSTEIN, HARRY RALPH, B.S. C. C. N. Y. 1913.....New York City
LITTLE, ELEANOR HOWELL, A.B. Wellesley 1908.....Media, Pa.
LIU, FUNG HIN, A.B. Wellesley 1914.....New York City
LOCKWOOD, LOIS A., B.L. Pomona 1908, *English*.....Claremont, Cal.
LOEW, ALLAN ARTHUR, A.B. C. C. N. Y. 1915.....Brooklyn, N. Y.
LOGAN, CAROLINE ELIZABETH, A.B. Wilson 1906.....York, Pa.
LONG, ALBERT, B.S. Ursinus 1912.....Paterson, N. J.
LORENTZ, MILTON M., A.B. 1914, *German*.....Brooklyn, N. Y.
LUCAS, GRACE MARGARETTA, Ph.B. Wooster 1906.....Nanking, China
LUTES, MABEL M., B.S. 1906, *Household Arts*.....South Chatham, N. H.
MCCABE, OLIVE CLINTON, A.B. Wellesley 1909, *Music*.....Providence, R. I.
MCCLURE, ELLA GREENE, B.S. 1914, *Household Arts*.....Marietta, Ohio
MCCLURE, HELEN, B.S. 1913, *Household Arts*.....New York City
MCCRACKEN, MARION WILSON, A.B. Adelphi 1914.....Brooklyn, N. Y.
MCGOLDRICK, ANNA L., A.B. Adelphi 1911.....New York City
MACGREGOR, MALCOLM, B.S. Union 1905.....Gloversville, N. Y.
MACKAY, DAVID L., B.S. N. Y. U. 1909, *Mathematics*.....Astoria, L. I.
MCKEE, DOROTHY, A.B. Vassar 1912, *Physical Education*.....Summit, N. J.
MCLEAN, MARGUERITE LOUISE, A.B. Wisconsin 1907, *Household Arts*
.....Menomome, Wis.

MABON, ROSA VEDDER, A.B. Bryn Mawr 1913.....New York City
MACKLER, ALFRED DANIEL, B.S. New York State College 1914, *Industrial Arts*
.....New York City
MAHER, MARGARET, A.B. Hunter 1912, *Mathematics*.....New York City
MAJOR, JUDITH, A.B. Louisiana 1914, *French*.....Valerda, La.
MANDEL, EDWARD M., A.B. C. C. N. Y. 1888, A.M. C. C. N. Y. 1891, New York City
MANDEL, SAMUEL, A.B. C. C. N. Y. 1906, *Mathematics*.....Brooklyn, N. Y.
MANGUS, JAMES, Ph.B. Hamilton 1909.....Herkimer, N. Y.
MANION, WILLIAM JOHN, A.B. Hamilton 1911, *Mathematics*.....Ferndale, N. Y.
MANN, ELIZABETH, B.S. 1914, *Household Arts*.....Richmond Hill, N. Y.
MANN, ELLEN KOKEN, A.B. Missouri 1908, *History*.....St. Louis, Mo.
MARQUARD, JOHN, A.B. Grey University (O. F. S.) 1909, *English*
.....Winberg, O. F. S., S. Africa
MARSHALL, FLORENCE M., A.B. Boston Univ. 1899.....New York City
MARTS, WARREN, A.B. Bucknell 1894, A.M. Bucknell 1897.....Montclair, N. J.
MAURER, MADELINE E., A.B. Mt. Holyoke 1914, *English*.....Seneca Falls, N. Y.
MEADOWS, ADA GEORGINE, A.B. South Dakota 1912, *Household Arts*
.....Ipswich, S. D.
MERTEN, FREDERICK, A.B. Colorado 1901, *History*.....Byers, Colo.
MEYER, BERNARD, A.B. C. C. N. Y. 1913.....Brooklyn, N. Y.
MILLER, DONALD HERBERT, A.B. 1907, *Physical Science*.....New York City
MILLER, MARGARET ISABEL, Ph.B. Syracuse.....Hammond, N. Y.
MILLER, MARION, Ph.B. Wooster 1910, *Latin*.....Greenspring, Ohio
MOHLER, LOUIS, B.S. 1914, *Music*.....Van Wert, Ohio
MONROE, DAY, A.B. Washburn 1908, *Household Arts*.....Topeka, Kan.
MONSCH, HELEN, B.S. Chicago 1909, *Household Arts*.....Gary, Ind.
MONTROSS, CHARLES G., A.B. Harvard 1902.....Orange, N. J.
MOODEY, GERTRUDE, A.B. Smith 1911, *Mathematics*.....Plainfield, N. J.
MOON, WARD C., A.B. Amherst.....Freeport, L. I.
MOORE, JAMES CLYDE, B.S. Harvard 1904, *Physical Science*
.....West Stockbridge, Mass.
MORRISON, JOHN CAYCE, A.B. Valparaiso 1912.....Hanson, Ill.
MORSE, CHARLES MILTON, A.B. Yale 1906.....Cazenovia, N. Y.
MUNN, LEOTA, Ph.B. Wooster 1913, *Household Arts*.....Portage, Ohio
MURPHY, WILLIAM ANTHONY, B.S. 1914, *Industrial Arts*.....Brooklyn, N.Y.
MYERS, GEORGE E., A.B Ottawa 1896, A.M. Chicago 1901, Ph.D. Clark 1906,
Industrial Arts.....Augusta, Kan.
NEAL, MABLE A., A.B. Washington 1910.....Oceanside, Calif.
NEIDHARDT, AUGUSTA WINIFRED, A.B. Hunter 1912, *Physical Education*
.....New York City
NEIFELD, MORRIS, A.B. Cornell 1913.....Brooklyn, N. Y.
NELSON, LOUISA A., Ph.B. Colorado 1902, *Household Arts*.....New York City
NEUMANN, EMANUEL, A.B. 1914, *German*.....Brooklyn, N. Y.
NEUMANN, JOSHUA, A.B. N. Y. U. 1913, *English*.....Brooklyn, N. Y.
NEWELL, ETHEL, A.B. Nebraska Wesleyan 1908, *English*.....Minden, Neb.
NICHTHAUSER, PAULINE, A.B. Hunter 1915.....New York City
NICOL, JAMES HOUDEN, B.S. Minnesota 1900.....Tripoli, Syria
NIMS, FRED ARTHUR, A.B. Yale 1914.....Topeka, Kan.
NORTHROP, INEZ MARIE, A.B. Canton 1906.....Hernon, N. Y.
O'BRIEN, EDITH G., A.B. Hunter 1915.....New York City
O'CONNELL, CORA, A.B. Nebraska 1900.....Kearney, Nebr.
OSTERHOLM, LISA, B.S. 1914, *Industrial Arts*.....Ann Arbor, Mich.
OSWALD, ALMA, Ph.B. Chicago 1912, *Household Arts*.....Chicago, Ill.
OTTERMANN, CHARLES, A.B. Cincinnati 1906, A.M. Cincinnati 1908
.....Cincinnati, Ohio
PACKARD, FREDERICK LUCIUS, A.B. Bowdoin 1906.....Montclair, N. J.

PAINE, ALICE MAY, B.S. 1908.....Winona, Minn.
PAPE, CHARLES, A.B. C. C. N. Y. 1913.....Brooklyn, N. Y.
PARKER, EFFIE MAY, Ph.B. Wooster 1908, *English*.....Scottdale, Pa.
PARKER, WALTER WINFIELD, A.B. Hendrix 1912, *English*.....Conway, Ark.
PATRICK, MARY MAUD, B.S. 1914.....New York City
PAUL, RICHARD F., A.B. Dartmouth 1911.....Fitzwilliam, N. H.
PAULSEN, ALICE E., A.B. Mt. Holyoke 1913, *Psychology*.....New York City
PEPER, WILHELMINE H., A.B. Hunter 1911, *Fine Arts*.....New York City
PERSONS, METTA ELIZABETH, A.B. Chicago 1899.....New York City
PHILHOWER, CHARLES ALPAUGH, B.S. Dickinson 1909, A.M. Dickinson 1912, *English*.....Chatham, N. J.
PIKE, KATE STEVENS, A.B. Smith 1910, *Physical Education*.....Eastport, Me.
PINKHAM, FLORENCE A., A.B. Bates 1910.....Lewiston, Me.
PLATTLER, FRANK J., A.B. Seton Hall.....Utica, N. Y.
PORTZ, HARVEY O., A.B. Wittenberg 1913.....Newcomerstown, Ohio
POWELL, NANCY HUFF, B.S. 1911, *Latin*.....White Plains, Va.
PRITCHETT, KATHARINE A., B.S. 1913.....New York City
PUTNEY, ETHEL W., A.B. Wellesley 1902, *Social Economy*.....Wellesley Hills, Mass.
RACE, STUART R., A.B. Lafayette 1911.....Maplewood, N. J.
RASKIN, IRVING, A.B. C. C. N. Y. 1914.....New York City
REED, FANNIE S., B.L. California 1903, *English*.....Santa Barbara, Cal.
REID, WILLIAM DENNIS, A.B. Georgia 1890.....Eatonton, Ga.
RICHARDS, HENRY, B.S. Colgate 1909.....Yonkers, N. Y.
RIDEOUT, CHARLOTTE WYTHE, A.B. College of Pacific 1912.....New York City
RILEY, MARIETTA, A.B. Adelphi 1907, A.M. N. Y. U. 1913.....Brooklyn, N. Y.
ROGERS, CHRISTIAN EDLEY, A.B. Chattanooga 1905, *Mathematics*.....Johnson City, Tenn.
ROTH, LOUIS, A.B. C. C. N. Y. 1913.....New York City
RUNNELS, ROSS OWEN, B.S. 1913.....Eau Claire, Mich.
RUSTEDT, MARIAN BRIGHAM, Ph.B. Vermont 1898, *French*.....Richford, Vt.
SANDERS, EDWARD ISAAC, A.B. C. C. N. Y. 1912.....New York City
SCHNIEB, ANNA AUGUSTA.....Muncie, Ind.
SCHORR, MARGUERITE LOUISE, A.B. 1914, *German*.....New York City
SCHWAN, ROBERT.....Fredonia, N. Y.
SCOTT, CLARA AGNES, B.S. 1913.....Marietta, Ohio
SCOTT, RAY, Ph.B. Hiram 1914, *Sociology*.....Youngstown, Ohio
SEGEE, GLADYS R., A.B. 1912, *Mathematics*.....New York City
SELLARDS, KATE, A.B. Kansas 1905.....Burlingame, Kans.
SHAFFER, ROY LEE, Ph.B. Dickinson 1909.....Morristown, N. J.
SHANNON, JAMES VINTON, A.B. Indiana 1912.....Tipton, Ind.
SHARON, JOHN ALBERTUS, B.Pd. Kentucky State.....Newport, Ky.
SHIMER, HOWARD E., A.B. Muhlenberg 1901.....Newton, N. J.
SIEGEL, JULIUS, B.S. 1915.....New York City
SILVERMAN, SAMUEL, B.S. C. C. N. Y.1898, *English*.....New York City
SIMKIN, ROBERT LOUIS, A.B. Haverford 1903, A.M. Haverford 1913, *Religious Education*.....Chengtu, West China
SIMMONS, ISABEL, A.B. Wellesley 1907, *English*.....Brooklyn, N. Y.
SIMMONS, KATE CAMERON, B.S. 1912.....Brooklyn, N. Y.
SIMPSON, HOMER NELSON, A.B. Cornell 1909, *Physical Science*.....East Rutherford, N. J.
SINCLAIR, MARY, A.B. Minnesota 1913, *Kindergarten*.....Fairmont, Minn.
SINDELAR, CHARLES, B.S. C. C. N. Y. 1896, *Mathematics*.....New York City
SINOPOLI, EMILIA, B.S. 1914, *Latin*.....New York City
SMITH, DELIA ALDEN, A.B. Wellesley 1912, *Physical Education*.....Duluth, Minn.
SMITH, ELMER FRANCIS, B.S. Rhode Island 1909.....Roselle Park, N. J.

Smith, Frank Milton, A.B. Pennsylvania State College 1914, *German* ..... McKees Rocks, Pa.
Smith, Fred J., B.S. 1914, *Industrial Arts* ..... Oswego, N. Y.
Smith, Gladys Hollingsworth, A.B. 1911, A.B. College for Women 1910, *Household Arts* ..... Easley, S. C.
Smith, Marguerite, A.B. Vassar 1903, *English* ..... Brooklyn, N. Y.
Smith, Meredith, B.S. 1914 ..... Omaha, Nebr.
Snow, Mabel, A.B. Hunter 1914, *Biology* ..... New York City
Snow, Rose, B.S. 1914, *Physical Education* ..... New York City
Somerville, Irwin B., A.B. St. Johns 1914 ..... Morristown, N. J.
Spearing, Jessie, A.B. Sophie Newcomb Memorial 1905 ..... Columbia, Tenn.
Spencer, William L., A.B. Williams 1902 ..... North Adams, Mass.
Starrat, Rosa M., A.B. Transylvania 1906, A.M. Transylvania 1910. Lexington, Ky.
Staver, Wilson Willard, Ph.B. Bucknell 1907, *Psychology* ..... Englewood, N. J.
Steegar, William H., B.S. N. Y. U. 1907 ..... Garfield, N. J.
Steese, Sophia M., Ph.B. Syracuse 1911, *Physical Education* ..... Harrisburg, Pa.
Stenquist, John L., B.S. 1914 ..... Los Angeles, Cal.
Stevens, Floyd Alonzo, A.B. Wesleyan 1914, *English* ..... Ridgewood, N. J.
Stevens, Margaret M., A.B. Elmira 1914, *German* ..... Greenville, N. Y.
Stiebling, Helen A., A.B. Hunter 1914 ..... Astoria, L. I.
Stowell, Ruth, A.B. 1909 ..... New York City
Strang, Benjamin Bergen, B.S. 1912, *Mathematics* ..... Brooklyn, N. Y.
Stumpf, Beatrice Bach, A.B. Colorado 1905, *English* ..... Salida, Colo.
Sweeting, Charles Lloyd, A.B. Harvard 1914 ..... Savannah, N. Y.
Swift, Gordon C., A.B. Yale 1911 ..... Edinboro, Pa.
Tapia, Alejanadro B.S. 1915 ..... Panama
Tear, L. Grace, A.B. Fairmount College 1909 ..... Wichita, Kans.
Terrell, Alfred Lynch, A.B. Williams and Mary 1905 ..... Ashland, Va.
Terrill, Harold Morlock, B.S. Rutgers 1912 ..... Rahway, N. J.
Terry, Leon, B.S. Massachusetts Agricultural College 1912, *Physical Science* ..... Springfield, Mass.
Terry, Paul Washington, B.S. Vanderbilt 1909 ..... Louisville, Ky.
Theisen, William Walter, B.S. Nebraska 1907 ..... West Point, Neb.
Thomaser, Edmund, B.S. 1914, *German* ..... New York City
Thompson, M. June, A.B. Hunter 1913, *Physical Education* ..... New York City
Tobien, Arthur Patten Davis, A.B. Bates 1897 ..... Somerville, N. J.
Townsend, Irving J., A.B. Clark 1913 ..... Westport, Conn.
Travell, Ira W., A.B. Williams 1890 ..... Ridgewood, N. J.
Trowbridge, Stephen v. R., A.B. Princeton 1902, *Religious Education* ..... Brooklyn, N. Y.
Twichell, Sarah Edna, A.B. Smith 1909, *Household Arts* ..... North Collins, N. Y.
Underhill, Ruth, A.B. Vassar ..... Ossining, N. Y.
Vail, Burr D., A.B. Wesleyan 1905 ..... White Plains, N. Y.
Vail, Edna Adams, B.S. 1914, *History* ..... Hamden, N. Y.
Van Divort, Mary Elizabeth, A.B. Mt. Holyoke 1908, *English* ..... New Castle, Pa.
Vann, Eugene Ellis, A.B. Birmingham 1902, *History* ..... Richmond, Va.
Van Vliet, Anita E., B.S. 1914, *English* ..... East Stroudsburg, Pa.
Vertrees, Joseph Hodgen, A.B. Missouri Valley College 1913, *Industrial Arts* ..... Marshall, Mo.
Vessa, Michael C., A.B. 1914, *Latin* ..... Brooklyn, N. Y.
von Hofe, George D., Jr., B.S. 1914, *Physical Science* ..... Orange, N. J.
Wachtell, Eva Harriet, A.B. Hunter 1914, *Music* ..... New York City
Waite, Charlotte Augusta, B.S. 1911, *Household Arts* ..... Kalamazoo, Mich.
Walker, Jessie Crockett, A.B. Cornell 1907, *Industrial Arts* ..... Brooklyn, N. Y.
Walsh, John Vincent, A.B. C. C. N. Y. 1904 ..... New York City

WAMPLER, BESS LILLIAN, A.B. Emory and Henry 1913, *German* ..... Crockett, Va.
WARD, GRACE FAULKNER, A.B. Smith 1900, A.M. Radcliffe 1905 ... New York City
WARD, MAY, A.B. Brigham Young University 1913, *Household Arts* ..... Provo, Utah
WARD, WILLIAM ANTHONY, A.B. Catholic University of America 1914, *History* ..... New York City
WARSCHAUER, JOSEPHINE, A.B. Hunter 1913, *Mathematics* ..... New York City
WEED, BERTHA ELAINE, B.S. 1914 ..... Wolcott, N. Y.
WEIDENMAIER, ETHEL, A.B. Iowa 1909, *Household Arts* ..... Schalle, Ia.
WEINSTEIN, ISRAEL, A.B. C. C. N. Y. 1913, *Biology* ..... New York City
WELLER, DON R., A.B. Rochester 1912, *History* ..... Wadsworth, N. Y.
WELLS, LOUISE, A.B. Agnes Scott 1911, *Physical Education* ..... Augusta, Ga.
WELZMILLER, BLANCHE WYLIE, B.S. 1911, *English* ..... New York City
WHEELER, LUCILE, A.B. Mt. Holyoke 1907, *Household Arts* ..... White River Junction, Vt.
WHIPP, ETHEL, A.B. Woman's College 1905, *English* ..... New York City
WIECKING, ANNA, A.B. Minnesota 1914, *Kindergarten* ..... Mankato, Minn.
WILLIAMS, CAROL SCUDDER, A.B. Wellesley 1912 ..... Glastonbury, Conn.
WILLIAMS, CLARA M., A.B. Lake Erie 1907, *Household Arts* ..... Fremont, Ohio
WILSON, ANNA TEER, B.S. 1911, *Biology* ..... Worcester, N. Y.
WILSON, ELSIE, A.B. Whitman 1913, *Household Arts* ..... Spokane, Wash.
WILSON, ESTALENE, A.B. Missouri 1911 ..... Warrensburg, Mo.
WILSON, M. AGNES, A.B. Vassar 1913, *Religious Education* ..... Indiana, Pa.
WILSON, MARY M., A.B. Nebraska 1908 ..... Rushville, Nebr.
WOODS, FRANK MEADE, A.B. Western Reserve University 1909 ..... Greenville, Pa.
WOODS, MATILDA C., A.B. Wellesley 1902 ..... Rapid City, S. Dak.
WORDEN, ORPHA EVELYN, A.B. Michigan 1903, *Mathematics* ..... Detroit, Mich.
WU, YOEHNGOO T., B.S. 1915 ..... Shaughai, China
YOUNG, LOIS C., A.B. Western Reserve 1910 ..... York, Pa.
ZAGAT, LILLIE, A.B. Hunter 1910 ..... New York City

UNCLASSIFIED STUDENTS

ARENWALD, MESMIN, A.B. C. C. N. Y. 1906, A.M. N. Y. U. 1911 ..... New York City
BARNEWALL, EVA ALYMER, A.B. Hunter 1914 ..... New York City
BEDELL, GRACE, A.B. Kansas 1910 ..... Falfurrias, Texas
BRICKNER, BARNETT, B.S. 1913, A.M. 1914 ..... New York City
BURKE, AGNES, B.S. 1913 ..... Winona, Minn.
CAMPBELL, EMMA E. ..... New York City
CARR, JOHN W., A.B. Indiana 1885, A.M. Indiana 1890 ..... Bayonne, N. J.
CHANDLER, ALICE B., A.B. Vassar 1897 ..... St. Albans, Vt.
COLE, ARTHUR CARMAN, A.M. 1904, A.B. Olivet 1894 ..... North Craftsbury, Vt.
COLEMAN, ANNA ALOYSIUS, A.B. Trinity 1904 ..... Pelham Manor, N. Y.
DAUGHTERS, FREEMAN, A.B. Kansas Normal College 1896 ..... Rosebank, N. Y.
DE NISE, CARRIE LOUISE, Ph.B. Grinnell 1900 ..... Burlington, Ia.
DE WOLFF, JOHANNE, A.B. Hunter 1911 ..... Summit, N. J.
DIKE, ALICE MAY, A.B. Vassar 1910 ..... Montclair, N. M.
DOHERTY, MARY, B.S. 1912, A.M. 1914 ..... Orid, N. Y.
EDDY, RUTH, B.S. 1914 ..... Oswego, N. Y.
FORSSELL, ALVA E., B.S. 1911 ..... West New Brighton, N. Y.
FOX, HELEN MORGENTHAU, A.B. Vassar 1905 ..... New York City
FULLER, HAROLD FRANCIS, A.B. Clark 1910, A.M. Clark 1911 ..... Caldwell, N. J.

GORTON, MARGARET S.....New York City
HARRINGTON, MARJORIE S., A.B. Mt. Holyoke 1913.....Andover, N. J.
HOPSON, ELIZABETH FULLER, A.M. 1911, A.B. Vassar 1905
.....Bridgeport, Conn.
KELLER, ELEANOR ISABELLE, A.B. Hunter 1884, Pd.M. N. Y. U. 1895. New York City
LASSWELL, ARTHUR CHESTER, A.B. Greenville 1910.....Brooklyn, N. Y.
LUSTGARTEN, MAXIMILIAN J., A.B. C. C. N. Y. 1904, A.M. N. Y. U. 1909
.....Brooklyn, N. Y.
MACLAIN, ALYDA D.....New York City
MOORE, MARIE BERTHOLF.....Jersey City, N. J.
MOURER, CAROLINE L., A.M. 1901, A.B. Western Maryland, 1887
.....New York City
NORTON, ADELETT, A.B. Mt. Holyoke 1910.....Lakeville, Conn.
NOSKA, ELLIOTT V., A.M. 1912, B.S. C. C. N. Y. 1906.....New York City
PIPKIN, E. EDITH, A.B. Hollins 1912.....Reidsville, N. C.
PRITCHETT, E. ESTHER, A.B. Cornell 1907.....New York City
PRIZER, MARY C., A.B. Vassar 1910.....East Orange, N. J.
ROBINSON, ANNA E., A.B. Hunter 1900, A.M. N. Y. U. 1911.....New York City
ROBINSON, RUTH EVELYN, A.B. Goucher 1899, A.M. Pennsylvania 1907
.....Lucknow, India
ROGERS, MURIEL WARD, A.M. 1912, A.B. Vassar 1911.....New York City
ROOT, MINNIE R., A.B. St. Lawrence 1902.....Brooklyn, N. Y.
RUSSELL, M. HELEN, A.B. Maine Wesleyan 1884, A.M. Maine Wesleyan 1887
.....Gorham, Me.
SCHOONOVER, ELIZABETH, A.B. Smith 1909.....Mattewan, N. Y.
SCHUMAKER, MARY VIOLA, A.M. 1903, A.B. National Normal University 1900
.....Ford City, Pa.
SEARIGHT, HELEN FITZJAMES, A.B. Smith 1912.....New York City
SEARING, LUELLA ELIZABETH, A.B. Mt. Holyoke 1914.....Upper Montclair, N. J.
SEARS, MARY ELIZABETH, A.B. Goucher 1899, A.M. Radcliffe 1907
.....Mount Vernon, N. Y.
SEYMOUR, MARY FRANCES, A.B. Mt. Holyoke 1898.....Winsted, Conn.
SHAW, ETHEL L., A.B. 1910.....New York City
SHERER, GENEVIEVE, B.S. 1914.....Plainfield, N. J.
SNAVELEY, GUY E., A.B. Johns Hopkins 1901, Ph.D. Johns Hopkins 1908, Meadville, Pa.
SNOW, ELLA MARION, B.S. 1906, A.M. 1912.....Fairhaven, Mass.
STALKER, FRANCIS MARION, A.B. Princeton 1884.....Terre Haute, Ind.
STANNARD, MABEL FAY, B.S. Ottawa 1912.....Ottawa, Kan.
STILWELL, MARY ELIZABETH, B.S. St. Lawrence 1912
.....East Los Angeles, Cal.
STOUT, J. PROVOST, A.B. Rutgers, 1895, A.M. Rutgers 1898.....Lakehurst, N. J.
STUART, WARREN HORTON, A.B. Virginia 1900, A.M. Virginia 1900
.....Richmond, Va.
SURDAM, MILDRED J., B.S. 1912.....Mount Vernon, N. Y.
TANAKA, HATSUYE, Ph.B. Adrian 1909.....New York City
TAYLOR, EDITH STEVENS, A.B. Smith 1914.....Newark, N. J.
TERHUNE, BEEKMAN R., A.M. 1902, A.B. Princeton 1901.....Trenton, N. J.
TERRETT, MILDRED, A.B. Wells 1904.....New York City
THELLUSSON, CHARLES F., A.B. C. C. N. Y. 1896.....New York City
THOMPSON, KATHARINE M., A.B. Radcliffe 1896.....Cambridge, Mass.
THOMPSON, OLIVE, A.B. 1910.....Jamaica, N. Y.
VEVIA, ALICE C., B.S. 1914.....Muskegon, Mich.
WALSER, THEODORE D., A.M. 1914, A.B. Union 1910.....Morristown, N. J.
WEEKS, ISABEL M., A.B. Hunter 1909.....New York City
WEICHERT, ANNA LAURA, A.B. Vassar 1906.....Danbury, Conn.
WIENER, WILLIAM, A.B. 1888, A.M. 1889.....Newark, N. J.

Weisenberg, Morris, A.B. C. C. N. Y. 1903.....New York City
Wiggin, Charlotte M., A.B. Smith 1908.....New York City
Williams, Joseph A. T., Ph.D. 1907.....New York City
Yohannan, Isaac, A.B. 1897, A.M. 1899.....New York City
Zevie, Rae, A.B. Hunter 1903.....New York City

Professional Students Candidates for the Bachelor of Science Degree and the Teachers College Diploma

SENIORS

Abbott, Jane Maxwell (*Physical Science*).....New York City
Ball, Myrtle M. (*English*).....Black Rock, Ark.
Ballou, Mildred Alma (*Kindergarten*).....New York City
Bamberger, Florence Eilau (*Elementary Supervision*).....Baltimore, Md.
Barbour, Marion Bridge (*Kindergarten Supervision*).....Lemoore, Calif.
Bardenheuer, Clara Emily (*German*).....College Point, N. Y.
Bazzoni, Eleanor R. (*German*).....Newburgh, N. Y.
Beale, Harriet Manley (*English*).....Sandwich, Mass.
Behneen, Erna Lucie (*Elementary Supervision*).....Brooklyn, N. Y.
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EHRHART, ADELA ..... New York City
ELLIOT, LUCY ..... Brooklyn, N. Y.
ELLIS, ELEANOR RUTH ..... Burlington, N. J.
EMERY, DOROTHY WINTHROP ..... Concord, N. H.
FICHMAN, ABRAHAM ..... New York City
FISCHER, MARIE LOUISE ..... New York City
FOGG, IRVIN DEMAREST ..... Reading, Pa.
FRITZ, HELEN MARIE ..... New York City
GANZ, ESTELLE ..... Jersey City, N. J.
GERRATY, MADELINE MILLER ..... Newark, N. J.
GILL, ISABEL CALDWELL ..... Kingston, N. Y.
GILLARD, DORIS ..... Englewood, N. J.
GILMAN, EDITH ..... Bethel, Vt.
GILMAN, ESTHER ..... Bethel, Vt.
GODDARD MYRA HARRIETT ..... Leonia, N. J.
HAGADORN, MARIAN JANE ..... Olean, N. Y.
HALL, GEORGE N. ..... Trenton, N. J.
HANN, DOROTHY ROSS ..... Passaic, N. J.
HASKINS, BERTHA ..... Wellsville, N. Y.
HENRY, ISABEL RUTH ..... Nyack, N. Y.
HOBBY, BESSIE ..... New York City
HOFF, LOUISE RUTH ..... Yonkers, N. Y.
HOFFMAN, REBEKAH B. ..... Newark, N. J.
HOLBROOK, LOUISE GERTRUDE ..... East Orange, N. J.
HOPTON, LUELLA A. ..... Snohomish, Wash.
HUTCHINGS, MABEL I. ..... Chassell, Mich.

Illman, Mary Gillespie....Buttzville, N. J.
Isenberg, Bertha....Wheeling, W. Va.
Johnson, Katharine B....Plattsburg, N. Y.
Johnson, Sarah E....Troy, N. Y.
Joseph, Kate....Jersey City, N. J.
Kennedy, Olive Ingalls....Scranton, Pa.
Klauberg, Marguerite J....New York City
Kleiner, Florence....New York City
Knight, Dorothy....New York City
Korobow, Albert....Brooklyn, N. Y.
Lamson, Julia Ruth....Norwalk, Conn.
Landreth, Helen Adelia....Schenectady, N. Y.
Lang, Carl Conrad....Leonia, N. J.
Laub, Cyril G....Brooklyn, N. Y.
Lee, Evelyn....New York City
Leffingwell, Ethel Trippett....Upper Montclair, N. J.
Leonard, Elizabeth Gladys....Brooklyn, N. Y.
Lieberman, Sophie C....New York City
Lindner, Esther....New York City
Lingg, Seraphine E....Tompkinsville, N. Y.
Littell, Florence Lucy....Brooklyn, N. Y.
Lloyd, Dorothy A....New York City
Low, Margaret Juanita....Brooklyn, N. Y.
Lynch, Grace....Wilkes-Barre, Pa.
McAdory, Margaret....Birmingham, Ala.
MacFadden, Harriette Elizabeth....Hollidaysburg, Pa.
MacMillan, Helen May....East Orange, N. J.
Mack, Irene Marie....Olean, N. Y.
Maddi, Pattronella....New York City
Maltby, Catharine Linsly....Northford, Conn.
Mann, Margaret E....Lewistown, Pa.
Matteson, Dorothea E....Mount Vernon, N. Y.
Medrick, Charlotte N....Port Jervis, N. Y.
Menagh, Anna T....Jersey City, N. J.
Merrill, Minnie....Merrill, N. Y.
Miller, Marea....Hoosick Falls, N. Y.
Minor, Kathryn Townsend....Flushing, N. Y.
Moore, Edith Louise....Olean, N. Y.
Moran, Helen Browne....Brooklyn, N. Y.
Mullin, Marjorie Wayne....New York City
Nolte, Frederick Christian....Long Island City, N. Y.
Norris, Rosalind....New York City
O'Connor, Mary....New York City
O'Donnell, Mary Patricia Clare....New York City
Ostrander, Gretchen Pond....Schuylerville, N. Y.
Page, Phyllis....Oakland, N. J.
Parkhurst, Dorothy....Englewood, N. J.
Patterson, Blanche Seely....College Park, Md.
Pattison, Ruth....Easton, Md.
Petty, Alice....New York City
Pinkerton, Eleanor Dawson....Norfolk, Va.
Porter, Alleen....Springfield, Mo.
Price, Mary McCue....Lewisburg, W. Va.
Rabinowitz, Helen....Jersey City, N. J.
Reed, Anna....Reedsville, Pa.
Reed, Emily Sweetland....Canandaigua, N. Y.

Ridley, Jennie Thompson.....Huntington, L. I.
Robison, Leah Theresa.....Mount Vernon, N. Y.
Rome, Sigmund J.....New York City
Rosenfeld, Helen Mary.....New York City
Rosenson, Theodora.....Brooklyn, N. Y.
Royce, Helen.....Englewood, N. J.

Schindler, Clara R.....New York City
Schleicher, Edith Rae.....East Orange, N. J.
Schoder, Emily C.....New York City
Schultz, Bernadine.....El Paso, Texas
Schwarzkopf, Clara B.....New York City
Scott, Florence Moore.....Highland Mills, N. Y.
Scott, Henrietta S.....Mount Vernon, N. Y.
Secttor, Flora.....Indianapolis, Ind.
Sergeant, Winifred Ann.....Mount Vernon, N. Y.
Shannon, Helen Powers.....Florence, Mass.
Shapiro, May.....Brooklyn, N. Y.
Sherman, Dudley D.....New York City
Sherman, Mary Wheaton.....New York City
Shigo, Anna G.....Freeland, Pa.
Siebern, William.....Jersey City, N. J.
Siglar, Grace Elizabeth.....North Germantown, N. Y.
Slawson, Ethel Louise.....New York City
Smith, Irene Marie.....Clifton, S. I.
Snyder, Evalanna.....Herkimer, N. Y.
Sperry, S. Lelia.....New Haven, Conn.
Stahl, Benjamin.....New York City
Steinschneider, Frieda.....Hastings-on-Hudson, N. Y.
Stevens, Mary E.....Hobart, N. Y.
Stickney, Alice Marguerite.....Elizabeth, N. J.
Stobaugh, Frances Albertine.....Englewood, N. J.
Stoll, Ruth L. V.....New York City
Storms, Dorothy Anderson.....Buzzards Bay, Mass.
Strongin, Dorothea Ethel.....Forest Hills, L. I.
Stull, Josephine.....Wilkes-Barre, Pa.
Sweet, Margaret Hagar.....Plattsburg, N. Y.
Syze, Freda Virginia.....New Brighton, S. I.

Taylor, Christine Agnes.....Astoria, L. I.
Tefft, Helen.....New York City
Thompson, Hila.....Rochester, N. Y.
Towne, Mildred.....Jersey City, N. J.
Trabue, Elsie.....South Milwaukee, Wis.
Treyz, Sarah L.....Cook's Falls, N. Y.
Tuttle, Mary Brookings.....Plattsburg, N. Y.
Tyson, Eleanor.....Pelham, N. Y.

Underwood, Esther Lail.....Summit, N. J.
Van Dyck, Alice Douglas.....Newark, N. J.
Van Riper, Gladys.....Jersey City, N. J.
Van Volkenburgh, Elsie.....Bethel, Conn.
von Rohr, Ida.....Winona, Minn.

Wallerstein, Eva.....Germantown, Pa.
Walsh, Norma.....New York City
Warner, Eleanor.....Riverhead, N. Y.
Watson, Ellen P.....Spencer, Mass.
Weber, Albert Frederick.....Linden, N. J.

Welles, Anna Hunt.....Scranton, Pa.
Westheimer, Doris Minnette.....Ardmore, Okla.
Wetstein, Florence.....New York City
Wheeler, Thelma.....Northport, L. I.
Williams, Ruth Holland.....St. Louis, Mo.
Wittner, Helen D.....Brooklyn, N. Y.
Wolff, Pauline.....Grand Forks, N. Dak.
Wolper, Ella Vivian.....New York City
Woodruff, Adelia.....Cleveland, Ohio

SOPHOMORES

Ames, Ruth.....Brooklyn, N. Y.
Anderson, Margaret D.....Mount Vernon, N. Y.
Bache, Harriet Patterson.....Washington, D. C.
Barad, Victoria.....Brooklyn, N. Y.
Bergen, Maude Thornell.....Queens, N. Y.
Betts, Helen.....Highwood, N. J.
Biggart, Helen.....New York City
Birdsey, Bertha Tryon.....Middlefield, Conn.
Brennan, Ruth R.....Yonkers, N. Y.
Byron, Olga.....Jersey City, N. J.
Cabell, Calvert.....New York City
Carter, Helene.....Leonia, N. J.
Castello, Frances W.....Brooklyn, N. Y.
Champlin, Marian R.....Scranton, Pa.
Christie, Lillian J.....Jersey City, N. J.
Clarke, Francis.....Jersey City, N. J.
Cohen, Alma J.....New York City
Cohen, Mary Ruth.....Jersey City, N. J.
Cosby, Olive M.....Kansas City, Mo.
Coyne, Grace C.....Yonkers, N. Y.
Cretcher, Donna Evelyn.....De Graff, Ohio
Cutler, Christine North.....Mount Hermon, Mass.
Davis, Lois Hegeman.....Roslyn, N. Y.
Dearnley, Irene Elizabeth.....Roxborough, Pa.
Despres, Berthilde.....New York City
Dikeman, Orlista Lillian.....Worcester, N. Y.
Du Bois, Barbara.....North Haven, Conn.
Erikson, Elsa J.....New York City
Evans, Margaret B.....Washington, D. C.
Ferry, Isabelle.....Pittsfield, Mass.
Fillmore, Helen Mar.....New York City
Forbes, Elizabeth Swinton.....New York City
Forte, Clara Patterson.....Fenton, Mich.
Frank, Martha.....New York City
Goddard, Frances Adele.....Cortland, N. Y.
Goenaga, Carmen.....Rio Piedras, Porto Rico
Gotshall, Hulda M.....Scranton, Pa.
Hall, Mary.....Petersburg, Va.
Harding, Roberta Elizabeth.....Brooklyn, N. Y.
Hassinger, Elsa Wallace.....New York City
Hershey, Edythe.....Brooklyn, N. Y.
Hessler, Elsie Estelle.....Tenafly, N. J.
Heumann, Elma Irene.....New York City
Hewitt, Evelyn Wolfe.....Brooklyn, N. Y.
Hubbell, Helen Jackson.....New York City

Hyde, Jane E. ..... Joliet, Ill.
Inglis, Evelyn Sloane ..... New Rochelle, N. Y.
Jacob, Helen Anna ..... New York City
Jennison, Faith Caroline ..... Janesville, Minn.
Johnston, Eleanor King ..... New York City
Kane, Frances Lilyan ..... Brooklyn, N. Y.
Kelly, Anna Margaret ..... Springfield, Ohio
Kudlich, Louise Heinrich ..... Drifton, Pa.
La Salle, Dorothy Marguerite ..... New York City
Lawrence, Drew ..... Montezuma, Ga.
Lindholm, Edla Marie ..... Passaic, N. J.
McAllister, Marion H. ..... Watertown, N. Y.
Mantell, Louise Russell ..... New York City
Maver, Jessie L. ..... Jersey City, N. J.
Megahan, Anna Margaret ..... Brooklyn, N. Y.
Meinhold, Amy ..... New York City
Meyer, Ida R. ..... New York City
Monroe, Juliet ..... Yonkers, N. Y.
Morrissey, Katherine Loretta ..... Bridgeport, Conn.
Morrissey, Nora Catherine ..... Yonkers, N. Y.
Murphy, Porter Cornelius ..... New York City
Northrup, Belle ..... Pasadena, Cal.
Nugent, Marie Lourdes ..... Rochester, N. Y.
O'Keeffe, Georgia ..... Charlottesville, Va.
O'Neil, Charlotte ..... Binghampton, N. Y.
Oldfield, Isabel Ellen ..... Saylesville, R. I.
Palmer, Catharine Amory ..... New York City
Palmer, Marjorie ..... Spuyton Duyvil, N. Y.
Peene, Gertrude May ..... Yonkers, N. Y.
Pengel, Elva ..... Mattawan, N. J.
Peters, Maryvin ..... Salisbury, Md.
Phillips, Martha ..... Columbia Cross Roads, Pa.
Pierce, L. Wilma ..... Croton-on-Hudson, N. Y.
Porges, Regine ..... Arrochar, S. I.
Puddicombe, Dorothy E. ..... New Haven, Conn.
Rogers, Edith Alberta ..... Buffalo, N. Y.
Rosenfeld, Rose ..... New York City
Sanborn, Mary Louise ..... Exeter, N. H.
Sargent, Mira ..... Worcester, Mass.
Searle, Elizabeth ..... Dowagiac, Mich.
Seiferd, Eleanor ..... New York City
Sheldon, Wilhelmina R. ..... Millville, N. J.
Smith, Margaret E. ..... San Barnardino, Cal.
Sparkman, Edna I. ..... Paterson, N. J.
Stall, Helen Louise ..... New York City
Tarshis, Grace Jessie ..... Brooklyn, N. Y.
Taylor, Antoinette ..... New York City
Ver Nooy, Helen ..... High Falls, N. Y.
Vosburgh, Maude ..... Canajoharie, N. Y.
Walker, Laura G. ..... Lancaster, Wis.
Welling, Jane B. ..... Valley Falls, N. Y.
Wellman, Kathryn Ivel ..... Caledonia, N. Y.
Williams, Lilian ..... Rahway, N. J.
Williams, Louise Mary ..... Scranton, Pa.
Wilson, Mildred Newcomb ..... New York City
Woodbury, Doris Ostrom ..... Leeds, Mass.
Yungerman, Henry ..... New York City

ZASOFSKY, PAUL.....Johnstown, Pa.
ZEMAN, DOROTHY.....Brooklyn, N. Y.

JUNIORS

ACKERMAN, MILDRED KINNEAR.....New York City
ADAMS, BERNICE.....New Haven, Conn.
AITKEN, ANNE MIDDLETON.....New York City
ALLEN, MARIE.....East Orange, N. J.
AMBERSON, JEAN D.....Waynesboro, Pa.
AMES, CAROLINE L.....Oakland, Cal.
AMSDEN, MYRA.....Carthage, Mo.
ANDREWS, LAURA EDITH.....Seymour, Ind.
ANGELL, DAISY B.....New Brighton, S. I.
ARNOLD, HENRIETTA AUGUSTA.....Brooklyn, N. Y.
ASKAM, LUCY ELIZA.....Great Neck, N. Y.
BACON, H. GRAHAM.....Mauricetown, N. J.
BAKER, HELEN M.....New York City
BAKER, INA ELIZABETH.....Seattle, Wash.
BALL, MARY W.....Charleston, S. C.
BARKLEY, ALMA.....Cincinnati, Ohio
BARRY, MARY.....Flushing, N. Y.
BATES, SUSAN L.....Denton, Tex.
BAXTER, KATHRYN H.....Grand Rapids, Mich.
BEATY, MARY LOUISE.....Narberth, Pa.
BECKER, MARGARET CHRISTINA.....Leonia, N. J.
BECKETT, GLADYS.....New York City
BEHM, MARION LOUISE.....Syracuse, N. Y.
BELL, MARTHA T.....Arlington, Tex.
BEMIS, DOROTHY.....Oshkosh, Wis.
BENNETT, M. ESTELLE.....Erie, Pa.
BILL, PAULINE COMFORT.....Willimantic, Conn.
BISHOFF, KITTIE L.....Ashland, Wis.
BOOTH, ALMA D.....New York City
BOURNE, MARTHA L.....Syracuse, N. Y.
BOWMAN, CLYDE A.....Stevens Point, Wis.
BOYD, BEATRICE P.....Peekskill, N. Y.
BOYLE, MARY K.....Chillicothe, Mo.
BRADY, LORETTA ANN.....New York City
BRENTON, ALABAMA.....Des Moines, Ia.
BRISTOL, ETHEL M.....Brooklyn, N. Y.
BROWN, ELSIE TEMPLE.....Yonkers, N. Y.
BROWNE, SIBYL.....Rock Hill, S. C.
BUCKLEY, ANNE.....Scranton, Pa.
BULLARD, ESTHER A.....Rumford, R. I.
BURCH, DORTHULA ANN.....New York City
BURDETT, MILDRED.....East Orange, N. J.
BURNS, JOHN N.....Oswego, N. Y.
BURNS, ROBERT L.....Oswego, N. Y.
BURNS, SHERMAN M.....Oswego, N. Y.
BURRITT, RUBY M.....Bridgeport, Conn.
BURWELL, LAURA PITTWAY.....Warrentown, N. C.
BYARS, BEATRICE.....Bensonhurst, N. Y.
CARR, KATHRYN LUCILLA.....Wilkes-Barre, Pa.
CASE, JENNIE PERRINE.....Trenton, N. J.
CLARK, FLORENCE.....Indianapolis, Ind.
CLARK, JESSIE A.....Springfield, Mo.
CLARKE, RUTH MABLE.....New York City

Clayton, Mary Morris.....Lewisburg, Pa.
Clegg, Isabel.....Ottawa, Ill.
Cohn, Miriam.....New York City
Coleman, Cora Lee.....Greenwood, S. C.
Collins, Isabel.....Springfield, Ohio
Collins, Will Franklin.....Fort Worth, Texas
Cooper, Lucy Frances.....Brooklyn, N. Y.
Cooper, Nettie Eugenia.....Oxford, Ala.
Corbett, Hannah B.....Topeka, Kan.
Corcoran, Martin.....Arlington, N. J.
Cornell, Margaret.....Elnora, Ind.
Cornish, Mary E.....Vernon Center, Minn.
Cronan, George D.....Oswego, N. Y.
Curran, Clay Conley.....Cannon Falls, Minn.
Dahlberg, Hatty R.....Stanley, Wis.
Dalton, Margaret Elizabeth.....Los Angeles, Calif.
Dampman, Edna L.....Point Pleasant, N. J.
Davies, Gwenllian.....Hazleton, Pa.
Deutsch, Irene.....New York City
Dickenson, Marion Elleda.....Hamilton, Can.
Diehl, Eleanor Catharine.....Port Chester, N. Y.
Dix, Annie Stillman.....Brooklyn, N. Y.
Dougherty, Elinor D.....Los Angeles, Calif.
Du Bois, Ellen.....Forest Glen, N. Y.
Du Bois, Nellie A.....New Paltz, N. Y.
Dudley, Maurine Caylor.....Ruston, La.
Dunn, Anna Marie.....Passaic, N. J.
Dwyer, Maurice Kervin.....Jersey City, N. J.
Edwards, Amelia B.....Calgary, Can.
Emerson, Arthur, Jr.....Honolulu, H. I.
Endres, Joseph John.....Oswego, N. Y.
Entelmann, Millie.....New York City
Epstean, Ethel.....Landing, N. J.
Evans, Ruth.....Coronado, Cal.
Everson, Adelaide.....Pittsburgh, Pa.
Ewing, Anna Allworth.....Newton Center, Mass.
Farrell, Louise.....Oswego, N. Y.
Fishkin, Joseph.....New York City
Foster, Clara A.....Potsdam, N. Y.
Frank, George.....Newark, N. J.
Frankfurter, Emanvella.....New York City
Fullgraff, May A.....New York City
Galbraith, Lillian.....Troy, N. Y.
Gerow, Edith.....Jersey City, N. J.
Gesswein, Edward W.....East Orange, N. J.
Gibson, Annie Katharine.....Utica, N. Y.
Gillespie, Elsie Ruth.....Stanford, Conn.
Gillett, Harriett M.....Southwick, Mass.
Gittinger, Blanche.....Frederick, Md.
Godfrey, Viola M.....Oregon City, Ore.
Gompf, August P.....Howardville, Md.
Gray, Annie B.....Prince Frederick, Md.
Greenwald, Arthur.....Richmond Hill, N. Y.
Grimes, Frances Wellington.....New York City
Guilford, Elizabeth.....Lancaster, Pa.
Hahn, Helen Hay.....Topeka, Kans.

Hardenbergh, Nell Marie.....Ellenville, N. Y.
Hartnett, Edmond E.....Seattle, Wash.
Hasbrouck, Mary L.....Middletown, N. Y.
Hawks, Pauline J.....Georgetown, N. Y.
Heckelman, Isaac.....Brooklyn, N. Y.
Henderson, Ethelyn.....Paterson, N. J.
Herre, Ella F.....Brooklyn, N. Y.
Herrick, Lena B.....Albion, Mich.
Herrmann, Fernande L.....Berkeley, Cal.
Hilton, Virginia.....Bayonne, N. J.
Hoffman, Lillian Clare.....Mount Penn, Pa.
Hopkins, Thomas Wells.....Fulton, N. Y.
Houliston, Charlotte C.....East Aurora, N. Y.
Howell, Genevieve d'A. Y.....Brooklyn, N. Y.
Hubbard, Marion.....New York City
Hughes, Marie.....Elizabeth, N. J.
Hummer, Myrtle.....Trenton, N. J.
Huntington, Josephine.....Yonkers, N. Y.
Hurley, Beulah.....New Hope, Pa.
Hurley, Jean Frances.....Buffalo, N. Y.
Hutton, Anna Daphne.....Detroit, Mich.
Ink, Katharine S.....Mansfield, Ohio
Jackson, Dudley C.....Mount Vernon, N. Y.
Jagger, Olive Burnett.....Southampton, N. Y.
James, Virginia.....Pelham, N. Y.
Jardine, Beatrice N.....Kenvil, N. J.
Jarvis, Ellen.....Yonkers, N. Y.
Johnson, Charlotte Amelia.....Passaic, N. J.
Johnson, Mildred Elizabeth.....Scranton, Pa.
Johnston, Jessie E.....Middleville, Mich.
Jones, Helen Evelyn.....Weehawken, N. J.
Kennedy, Ruth Fischer.....Brooklyn, N. Y.
Kinley, Claribel.....Olean, N. Y.
Kisch, Elsa H.....Palisade, N. J.
Knapp, Harriet Elizabeth.....Buchanan, N. Y.
Knight, Emma Evelyn.....Solomon, Kan.
Knowles, Eleanor B.....Milwaukee, Wis.
Kopp, Lillian D.....Newark, N. J.
Krauter, Clara H.....Bloomfield, N. J.
Krellenstein, Ray.....New York City
Landee, Marion C.....Moline, Ill.
Landrine, Margaret A.....Maywood, N. J.
Lantz, Grace Meta.....Marinette, Wis.
Le Fevre, Irving J.....New Paltz, N. Y.
Lemon, Edith.....Olympia, Wash.
Lenihan, Mary M.....Laurel Hill, N. Y.
Leonard, Alice Margaret.....Worcester, Mass.
Livermore, Marcia J.....New Rochelle, N. Y.
Livingston, Christine H.....Altamont, N. Y.
Lord, Marion Waterston.....Newton, Mass.
Luce, Cornelia.....Wooster, Ohio
Lunger, Cleo Vivian.....Marion, Ohio
McCloskey, Pearl.....Los Angeles, Cal.
McCown, Nellie.....Spencer, Ia.
McCrea, Vera.....Yonkers, N. Y.
McGavock, Emily G.....Max Meadows, Va.

McGownd, Matilda.....Carthage, Mo.
McGraw, Miriam.....Richmond, Va.
McKelvey, Jessie R.....Jersey City, N. J.
McMillan, Anna.....Grand Rapids, Wis.
Magid, Frances.....Brooklyn, N. Y.
March, Lola May.....New York City
Mason, Alice Huntington.....Plattsburg, N. Y.
Meeker, Charles Henry.....New York City
Memory, Mildred Fear.....Maplewood, N. J.
Miller, Genevieve Krey.....Brooklyn, N. Y.
Mitchell, Dorothy E.....Winnipeg, Can.
Moffat, Ethel.....Orange, N. J.
Moller, Louise.....Brooklyn, N. Y.
Moore, Helen Hazel.....New York City
Moore, Mary Alice.....Kalamazoo, Mich.
Morgan, Caroline.....Rochester, N. Y.
Morrill, Alice Mary.....St. Albans, Vt.
Morrissey, Lily.....New York City
Muendel, Rebecca.....New York City
Murphy, Agatha Catherine.....New York City
Newcomb, Mary Jane.....Glastonbury, Conn.
Nolan, James Patrick.....Auburn, N. Y.
Noles, Bessie.....Eastman, Ga.
Noyes, Eva J.....Haverhill, Mass.
Olin, John William Ellery.....Rutherford, N. J.
O'Neill, Edgar Raymond.....Park Ridge, N. J.
Ormsby, Sarah S.....Woodstock, Ill.
Osborn, Dorothy.....Montclair, N. J.
Osterholm, Claus Adolph.....Brooklyn, N. Y.
Ostermann, Frank J.....St. George, Ga.
Palen, Mary E.....New Rochelle, N. Y.
Parsons, Ethel S.....Houston, Tex.
Parsons, Mabel.....Highwood, N. J.
Paulson, Esther.....Yonkers, N. Y.
Peene, Emma L.....Yonkers, N. Y.
Peet, Grace Beatrice.....Cortland, N. Y.
Peet, Ruth Lucretia.....New York City
Phelps, Ethelwyn.....Duluth, Minn.
Phillips, Cornelia Dorothea.....New York City
Pierce, Emma Kellogg.....Cranford, N. J.
Pike, Florence Sara.....Derby Line, Vt.
Pollitzer, Anita Lillie.....Charleston, S. C.
Pope, Miriam Anna.....Monroe, Mich.
Potter, Edna Paula.....Denver, Colo.
Powell, Ethel May.....Greenwich, N. Y.
Powell, Marion Webster.....Brooklyn, N. Y.
Price, Ruth Kirk.....Noylan, Pa.
Pryor, Blanche.....Arizona, La.
Purcell, Reuben Randall.....Brooklyn, N. Y.
Purefoy, Lucy.....Asheville, N. C.
Recio, Fleurette.....New York City
Redfern, Helen Louise.....Winchester, Mass.
Redifer, Florence.....Terra Haute, Ind.
Reed, Reta Wingate.....Philadelphia, Pa.
Reigart, Katharine Mifflin.....Yonkers, N. Y.
Reilly, Marie M.....Scranton, Pa.

Ress, Cecilia H. ..... Brooklyn, N. Y.
Richards, Mary Emma ..... San Jose, Cal.
Richardson, Isabel Cyrene ..... Littleton, N. H.
Richardson, Mary ..... New York City
Riley, Bird H. ..... San Diego, Cal.
Rivers, Jane S. ..... Charleston, S. C.
Robertson, Louise Jessie ..... Chicago, Ill.
Rosenkranz, Philip ..... New York City
Round, Ruth Althea ..... Manassas, Va.
Rowell, Christine Mary ..... Manchester, N. H.
Rowell, Olive Bateman ..... Brooklyn, N. Y.
Rust, Elsa G. ..... Anaheim, Cal.
Saliva, Ernestina ..... Mayaquez, Puerto Rico
Schellenberg, Rhoda ..... Brooklyn, N. Y.
Schiffenhaus, Ida ..... Newark, N. J.
Schlesinger, Beatrice ..... New York City
Schmitt, Helen Mae ..... Nyack, N. Y.
Schwartz, Marion ..... Plymouth, Pa.
Sears, Millicent L. ..... Syracuse, N. Y.
Sharrard, Hazel ..... Kansas City, Mo.
Sheets, Grace ..... Columbus, Ohio
Shultz, Anna Mary ..... Danville, Pa.
Simonson, Alice ..... Hollis, N. Y.
Simson, Cornelia L. ..... Seneca Falls, N. Y.
Smart, Winifred ..... New York City
Smith, Frank Carlier ..... Brooklyn, N. Y.
Smith, Greta E. ..... Minneapolis, Minn.
Smith, Jane Frances ..... Colebrook, N. H.
Smith, Marguerite L. ..... New York City
Smith, Mary Alma ..... University Park, Colo.
Snyder, Elmer W. ..... Rochester, N. Y.
Solender, Samuel Solomon ..... Pleasantville, N. Y.
Souder, M. Althe ..... Rockwell City, Ia.
Spicer, Mollie ..... New York City
Sprague, L. Gertrude ..... Lakeville, Mass.
Squires, Martha Christiana ..... Binghamton, N. Y.
Steel, Mary E. ..... New York City
Stevens, Anne A. ..... Brooklyn, N. Y.
Stewart, Jessie Herries ..... New York City
Stewart, Judson L. ..... Jersey City, N. J.
Stewart, Myra ..... New York City
Stiebel, Mildred ..... New York City
Stockton, Edna Margaret ..... Englewood, N. J.
Storms, Dorothy E. ..... Dobbs Ferry, N. Y.
Suckow, Minnie ..... Milwaukee, Wis.
Sutton, Ruth M. ..... Toledo, Ohio
Taflinger, Coral O. ..... Indianapolis, Ind.
Taylor, Helen A. ..... Grand Rapids, Wis.
Taylor, Lillian B. ..... Montreal, Can.
Temple, Jane ..... New York City
Terhune, Irma G. ..... Jersey City, N. J.
Terrill, Estelle ..... Rahway, N. J.
Thomas, Edna ..... Eliot, Me.
Thomas, Martha C. ..... Brownsville, Tenn.
Tibbetts, Helen ..... Brooklyn, N. Y.
Tillman, Sarah Dorothy ..... Rahway, N. J.

Tingley, Georgia ..... Rahway, N. J.
Townsend, C. Pearl ..... Greenwich, N. Y.
Treat, Nola ..... Gays, Ill.
Tuttle, Helen L ..... Newark, N. J.
Uhl, Mary R ..... Millersburg, Ohio
Underwood, Helen Alice ..... Lancaster, N. H.
Vaughan, Dorothy Minton ..... Mount Vernon, N. Y.
Wadsworth, Leila John ..... Brooklyn, N. Y.
Wallace, Mary E ..... Montclair, N. J.
Waller, Katharine Allen ..... Freehold, N. J.
Walther, Theda H ..... New York City
Warren, Gertrude L ..... Lockport, N. Y.
Weisel, Deborah D ..... Collingswood, N. J.
Wenger, Edna May ..... St. Louis, Mo.
Wente, Elizabeth K ..... Cincinnati, Ohio
Wheeler, Carrie ..... Potsdam, N. Y.
Wherry, Marie ..... Wyoming, Ia.
Whittington, Mary Clayton ..... Marion Station, Md.
Whyte, Marion Tuley ..... Tarrytown, N. Y.
Wickenden, Yvonne Ada ..... Bethel, Conn.
Williams, Harry G ..... Dumont, N. J.
Williamson, Mabel Heaton ..... Poughkeepsie, N. Y.
Wilson, Marcia Marion ..... Appleton, N. Y.
Winslow, William Van Eps ..... Brockport, N. Y.
Wortmann, Caroline Johanna ..... Peekskill, N. Y.
Wright, Grace Latimer ..... New York City
Wright, Pauline ..... Fort Worth, Tex.
Yules, Jacob ..... Brooklyn, N. Y.

SENIORS

Alden, Caroline E ..... Bayonne, N. J.
Allen, Elsie Marguerite ..... Mount Vernon, N. Y.
Allison, Grace E ..... Portland, Ore.
Anderson, Minnie A ..... Valley City, N. Dak.
Andruss, Florence L ..... Berkeley, Cal.
Balcke, Olive Adele ..... Quincy, Ill.
Barber, Marion J ..... Brooklyn, N. Y.
Barkley, Elizabeth M ..... West Hebron, N. Y.
Barnaby, Clara E ..... New Brighton, S. I.
Barrett, Ethel A ..... Englewood, N. J.
Barrus, Lena Wakefield ..... Lithia, Mass.
Bartlett, Margery June ..... Brooklyn, N. Y.
Batchelor, Nelle ..... E. Las Vegas, N. M.
Behrens, Elsie E ..... Los Angeles, Cal.
Bell, Dorothy ..... Minneapolis, Minn.
Berliner, Dorothy Wolfson ..... New York City
Betts, Agnes Farrar ..... Elmira, N. Y.
Betts, Marguerite ..... Highwood, N. J.
Beveridge, Agnes ..... Mount Vernon, N. Y.
Bicknell, Anna ..... Malone, N. Y.
Bietsch, Evalyn F ..... Chambersburg, Pa.
Bishop, Helen Cornelia ..... Forest Grove, Ore.
Blackmore, Beulah ..... Vassar, Mich.
Blair, Alice E ..... Peoria, Ill.
Blauvelt, Anna La Tourette ..... Nutley, N. J.
Boas, Belle ..... New York City
Booth, Fern V ..... Chicago, Ill.

Boyd, Jennie S. ..... Montrale, N. J.
Braus, Ray N. ..... New York City
Bull, Phoebe ..... Chester, N. Y.
Burnham, Letitia ..... Grand Rapids, Mich.
Byrne, Susan L. ..... New York City
Byrnes, Margaret ..... Flushing, N. Y.
Caldwell, Leila May ..... Kirchwood P. O., Mo.
Cannon, Helen ..... Grand Junction, Colo.
Carleton, Alice F. E. ..... San Gabriel, Cal.
Carling, Florence Evelyn ..... Exeter, Can.
Carlisle, Kittie Rose ..... Austin, Tex.
Carlson, Gudrun ..... Minneapolis, Minn.
Caulfield, Gertrude Rose ..... New York City
Chace, Edith Pitt ..... New York City
Cheney, George Walkley ..... Yonkers, N. Y.
Cheney, Laura J. ..... Frankfort, Ind.
Claxton, Edith ..... Paterson, N. J.
Cleaveland, Walter Avery ..... Montclair, N. J.
Cobb, Ethel F. ..... Provincetown, Mass.
Cole, Margaret Helen ..... Tropico, Cal.
Cole, Rose ..... New York City
Collins, Mary Margaret ..... Wilkes-Barre, Pa.
Coombs, Helen ..... Keokuk, Ia.
Cox, Jean ..... Mante, Utah
Crosby, Zana Elizabeth ..... Chicago, Ill.
Curry, Louise R ..... Englewood, N. J.
Curtis, John Morrison ..... New York City
de Golyer, Charlotte ..... Evanston, Ill.
Deloria, Ella Cara ..... Wakpala, S. Dak.
Deming, Agathe ..... New York City
Dickson, Carrie Alicia ..... Natchitoches, La.
Dickson, Louie Eleanor ..... Jersey City, N. J.
Dodge, Dorothy ..... Carthage, N. Y.
Dutcher, Myra Grace ..... Brooklyn, N. Y.
Eberle, Dove V. ..... Skedee, Okla.
Edsall, Marian Welling ..... Warwick, N. Y.
Eklund, Hjordis ..... Finland, Europe
Embry, Margaret C. ..... Danville, Ky.
Endley, Juliette ..... Elyria, Ohio
Erdman, Anna Button ..... Tarrytown, N. Y.
Erwin, Margaret ..... Garden City, L. I.
Fairfield, Margaret B. ..... East Orange, N. J.
Field, Nell C. ..... Anoka, Minn.
Fleming, Isobel Milne ..... New York City
Frank, Rose ..... New York City
Franklin, Kate Mann ..... Flushing, N. Y.
French, Laura Harriet ..... Malone, N. Y.
Gale, Mary ..... Waterville, Can.
Gardiner, C. Leslie ..... New York City
Garrett, Hazel L. ..... Spokane, Wash.
Garrett, Jeanette ..... Wellington, Ohio
Gath, Flora M. ..... Castle Shannon, Pa.
Gollubier, Emil S. ..... New York City
Gott, Amy R. ..... Viroqua, Wis.
Gowning, Charlotte Elizabeth ..... Wellesley, Mass.
Greenwald, Rose R. ..... Brooklyn, N. Y.

Griscom, Bessie....Reading, Pa.
Hadsell, Eleanor....New York City
Hale, Alfaretta May....Brooklyn, N. Y.
Hall, Robert Milton....Baltimore, Md.
Hart, Constance C....New York City
Havens, Helen Curtis....Bridgeport, Conn.
Hereth, Mary Margaret....Brooklyn, N. Y.
Herold, Flora....Shreveport, La.
Herrick, Zada Esther....Saratoga Springs, N. Y.
Hess, Emma C....Louisville, Ky.
Holden, Bertha A....Pittsford, Vt.
Holinger, Sigrid C....McKeesport, Pa.
Holte, Mae....Ellendale, N. Dak.
Hoover, Anna L....Summit, N. J.
Hoover, Elva Dawson....New York City
Hope, Dorothy M....Madison, N. J.
Hopkins, Elizabeth A....Denver, Colo.
Hostetter, Maude G....Millersville, Pa.
Howes, Ruth Carolyn....Florence, Mass.
Humphreys, Louise Garland....Charlottesville, Va.
James, Edith Eloise....New York City
Johnson, Alma Grace....Frankfort, Ind.
Justin, Margaret....Manhattan, Kan.
Kersey, P. Joseph....Waterbury, Conn.
Kolshorn, Henrietta....Red Wing, Minn.
La Grange, Ethelyn....Franklin, Ind.
Law, Constance Eleanor....Mount Vernon, N. Y.
Legate, A. Florence.... Paterson, N. J.
Leonard, Edith....New York City
Luft, Harry Leopold....Brooklyn, N. Y.
McFarlane, Dorothy....Whitewater, Wis.
McGough, Frances J....Altoona, Pa.
McKean, Herbert A....Stockport, Ia.
McMillan, Gertrude....San Francisco, Cal.
MacMullen, Helen....Greenwich, N. Y.
Marsh, Florence Annie....Kalamazoo, Mich.
Martin, Kate King....Minneapolis, Minn.
Mason, Blanche G....Valley City, N. Dak.
Maurer, Elsa....Greenville, Ohio
Meirowitz, Samuel....New York City
Meitzler, Ada Valeria....Allentown, Pa.
Mercado, Lucila....Juana Dias, Puerto Rico
Meyer, Anita T....New York City
Miles, Christina....New York City
Miller, Belle W....Ithaca, N. Y.
Miner, Marian Wakeley....New York City
Montgomery, Alberta....Decatur, Ill.
Morro, Samuel E....Brooklyn, N. Y.
Müller, Mary Kathryn....New York City
Munro, Margaret....Bayonne, N. J.
Murphy, Marie Virginia....Covington, Ky.
Nelsen, Gretchen D....Knoxville, Tenn.
Norton, Alma Margaret....Spring Valley, Ill.
Norton, Anna Evalyn....Middletown, N. Y.
Patteson, Katharine....Tarrytown, N. Y.

PEACH, ANNA HARRIET.....Newark, N. J.
PENDERY, ALICE E.....Los Angeles, Cal.
PENTECOST, ETHEL AUGUSTA.....Northboro, Mass.
PIERPONT, JULIA HOLBERT.....White Plains, N. Y.
PINNEY, MABEL M.....Arlington, N. J.
POLLEY, ALTA A.....Fowler, Cal.
PRESTON, MARY FLORENCE.....Bristol, Va.
PRICE, MINNIE.....Portland, Ore.
PUDDINGTON, AGNES.....Madison, N. J.

RAGAN, MARY ELLEN.....La Gro, Ind.
RAGON, O. ELDORA.....East Orange, N. J.
RANDOLPH, ISABEL.....New York City
REEVES, GRACE G.....Redlands, Cal.
REGER, RICHARD O.....Clifton, N. J.
RICHARDSON, CHARLOTTE BAXTER.....Northampton, Mass.
ROBERTS, IDA ELIZABETH.....Rockford, Ill.
ROBERTS, MARION.....Hempstead, N. Y.
ROBINSON, MARY E.....St. John, Can.
ROGERS, HELEN K.....Hampton Institute, Va.
ROGERS, SARAH LOGAN.....Louisville, Ky.
ROOT, EMMA KENT.....Brooklyn, N. Y.
ROSE, MARY.....Rossville, Ind.

SAUNDERS, NELLIE ALMIRA.....Hornell, N. Y.
SCHLOEMON, LILLIE.....Gatesville, Tex.
SCHMIDT, MARGARET.....New York City
SCHWARZ, FLORENCE I.....Santa Barbara, Cal.
SCOTT, JESSIE M.....Dravosburg, Pa.
SHEPPARD, EMMA E.....Elmer, N. J.
SHERMAN, HANNAH.....Yonkers, N. Y.
SHIELDS, JENNIE.....Malone, N. Y.
SIEGEL, FRED.....Tottenville, N. Y.
SLOAN, RUTH ANNEATTE.....Franklin, Ind.
SMITH, ALICE WINONA.....Honolulu, Hawaii
SMITH, FLORA ELIZABETH.....Havana, Cuba
SMITH, HELEN MELISSA.....Kingston, Pa.
SMITH, KATHLEEN CRAIG.....National Soldiers Home, Tenn.
SMITH, LEIGHTON V.....Phillipsburg, N. J.
SONN, IONE MARGUERITE.....Jersey City, N. J.
SOUTH, CHRISTINE N.....Greenwood, S. C.
SPENCE, PHILIP SUMNER.....New York City
STANFORD, DAISY M.....Vernon Center, N. Y.
STARR, SARAH.....New York City
STODDARD, ALICE GORDON.....Naples, N. Y.
SWEET, MARGARET.....Yonkers, N. Y.
SWISHER, AMY MARGARET.....Delaware, Ohio

TAYLOR, MARY ANN.....New York City
TEED, IDA.....New York City
TOUSSAINT, EDNA RUTH.....New York City
TREDWELL, HENRIETTA.....Chicago, Ill.
TRENCH, AMY HELEN.....Cranford, N. J.
TRIPP, JENNIE LOUISE.....Belvidere, Ill.
TRULAND, HELEN M.....Lancaster, N. H.
TRUMBLE, BESSIE E.....Saginaw, Mich.
VAN AKEN, VERA AURA.....Detroit, Mich.
WALKER, BERTHA LOUISE.....Morristown, N. J.

WALTERS, EVA ..... Blanche, N. C.
WALTON, JESSIE S. ..... Kalamazoo, Mich.
WARD, INEZ ..... Belton, S. C.
WEBB, ETHEL G. ..... Franklin, Ind.
WEBER, CARRIE ..... Wauseon, Ohio
WEST, LOUIS FRANCIS ..... Brooklyn, N. Y.
WESTFALL, MARTHA ..... Delaware, Ohio
WESTON, MARION JEANETTE ..... South Orange, N. J.
WHITNEY, ADA LOUISE ..... Holland, N. Y.
WILLARD, FLORENCE ..... Passaic, N. J.
WILSON, EDITH ..... Spokane, Wash.
WINCHELL, JESSIE AGNES ..... Mount Vernon, N. Y.
WINTERS, JET C. ..... Fort Worth, Tex.
WOLF, ANNA MARIE ..... New York City
YOUNG, RUTH E. ..... Minneapolis, Minn.

UNCLASSIFIED

ABLAHADIAN, ELIZA ..... Constantinople, Turkey
ABLOWICH, HAZEL ..... New York City
ALEXANDER, VIRGINIA M. ..... Chattanooga, Tenn.
APPLEBY, ESTHER ..... Syracuse, N. Y.
ASHCRAFT, JEAN ..... Monroe, N. C.
ATKINSON, CLARA ..... New York City
BARNARD, EVA CAROLYN ..... Albany, N. Y.
BARTS, ADELAIDE A. ..... Virgil, Ill.
BATES, ELLA LOUISE ..... Los Angeles, Cal.
BATTOCK, GREGORY JOSEPH ..... Yonkers, N. Y.
BEASLEY, CLARA BRADFORD ..... Ellington, Conn.
BECKERS, CAROLINE A. ..... Hoboken, N. J.
BERRY, ADELAIDE B. ..... New Rochelle, N. Y.
BIRNIE, MARY ..... Elizabeth, N. J.
BOATE, MARIAN G. ..... Mills College, Cal.
BORDEN, PENELOPE H. ..... San Antonio, Tex.
BRAITHWAITE, KATHERINE E. ..... Minneapolis, Minn.
BREILING, RALPH ..... Brooklyn, N. Y.
BRYANT, SHEILA ..... Montclair, N. J.
BURCH, LOUIS H. ..... West Edmeston, N. Y.
BURKE, EMMA JANE ..... Bismarck, N. Dak.
BURROUGHS, WALLACE C. ..... Mount Hope, N. Y.
BUSCHMANN, ALMA DOROTHEA ..... Indianapolis, Ind.
CAMPBELL, MARY VIRGINIA ..... Minneapolis, Minn.
CARLSON, CLARA ..... Cincinnati, Ohio
CHAMBERLAYNE, BESSIE GIBSON ..... Richmond, Va.
CHAPMAN, JANE ..... O'Brien, Wash.
CHAPMAN, PANSY ..... Andalusia, Ala.
CHEIFETZ, SADIE ..... New York City
CHURCH ,NANCY J. ..... Walworth, Wis.
CLARKE, ETHEL P. ..... Richmond, Va.
CLINTON, LUCILE WARNER ..... Passaic, N. J.
CONNORS, P. RAYMOND ..... Paterson, N. J.
COOLEY, MARY ELIZABETH ..... Poughkeepsie, N. Y.
COOPER, FLORENCE ALICE ..... Toledo, Ohio
COULTER, EVELYN BREWSTER ..... Austinburg, Ohio
COVEY, F. HOWARD ..... Great Neck Station, L. I.

Culver, Florence Elizabeth.....Harrisville, N. Y.
Delano, Lila Marie.....New York City
Denner, Agnes G.....Paterson, N. J.
Deutsch, Gladys Frances.....New York City
Dewar, Dora.....California, Pa.
Dickert, Mildred A.....New York City
Dolfinger, Edna.....Louisville, Ky.
Dondalson, Floy.....Northome, Minn.
Doty, Permelia M.....Glens Falls, N. Y.
Draper, Caroline Wood.....Oxford, Ala.
Dütting, Katharine Rose.....New York City
Ebeling, Karl W.....East Orange, N. J.
Edwards, Ernestine.....Ashland, Ore.
Erskin, Cornelia Douglas.....New York City
Faber, Mary A.....Plainfield, N. J.
Finlay, Anna C.....Saginaw, Mich.
Free, Albert V.....Peekskill, N. Y.
Garvin, Edna M.....Clarlss Summit, Pa.
Gibbs, Clarissa Van Ness.....Dunkirk, N. Y.
Gold, Mollie.....Brooklyn, N. Y.
Gosling, Beatrice M.....Montclair, N. J.
Graef, Grace Harriet.....Brooklyn, N. Y.
Gray, Carolyn, E.....Croton Falls, N. Y.
Greene, Margaret H.....Honesdale, Pa.
Greenhalgh, Lucy Robertson.....Yonkers, N. Y.
Gregg, Helen.....New York City
Greig, Mary.....New York City
Griffin, Eloise.....Valdosta, Ga.
Grimes, Rose Camilla.....Jersey City, N. J.
Groff, Clara Louise.....Winnipeg, Canada
Gross, Abraham Nathaniel.....New York City
Guardenier, Lucy Hotchkiss.....East Springfield, N. Y.
Hanson, Elizabeth M.....Grove City, Minn.
Harkins, Lula A.....Bozeman, Mont.
Hart, Lovina Belle.....Cleveland, Ohio
Hartnett, Margaret H.....New York City
Hawkins, Orissa.....Denver, Colo.
Hayes, Margaret C.....So. Manchester, Conn.
Hecht, Sadie.....Maywood, N. J.
Helgeson, Edith M.....Alexandria, Minn.
Herckner, Charlotte.....Hackensack, N. J.
Herman, Morris M.....New York City
Hilliard, Barta Emma.....Los Angeles, Cal.
Holbrook, Harold L.....East Haven, Conn.
Huntington, Katherine E.....Mount Vernon, N. Y.
Irons, Minnie L.....Rockford, Ill.
Jacobs, Morris.....Bayonne, N. J.
Jones, Priscilla Davis.....Newburyport, Mass.
Kendrick, Elizabeth.....Forest Hills, L. I.
Kirwan, Helen.....New York City
Knight, Grace.....New York City
Laird, Mary Florence.....Rochester, N. Y.
Larsen, Signe.....Decorah, Ia.
Lawton, Louisa H. S.....Hackensack, N. J.
Leonard, Eleanor.....Harrisburg, Pa.

Lincoln, Elsie.....New Haven, Conn.
Longley, Gertrude.....Oak Park, Ill.
Lynch, Margery.....Alameda, Cal.
McAndrew, Eleanor.....Greenville, Ala.
McCollins, Clara.....Seattle, Wash.
McIntyre, M. Ellen.....Rye, N. Y.
McKee, Caroline V.....Dewart, Pa.
McMillan, Mary Eliza.....Red Springs, N. C.
Manning, Gertrude.....Latta, So. Car.
Mathews, Achsah.....Lake City, Minn.
Meeker, Maria Louise.....West Orange, N. J.
Middlebrook, George.....New York City
Miller, Elizabeth Cassard.....Halethorpe, Md.
Miller, Henrietta.....Brooklyn, N. Y.
Minasian, Orrie Ida.....Brooklyn, N. Y.
Mitchell, Leana Grace.....Centerburg, Ohio
Morgan, Frances Sybil.....Norwich, Conn.
Morris, Harriet Alice.....Bayonne, N. J.
Muse, Maude B.....Cleveland, Ohio
Nellis, (Mrs.) Edward G.....New York City
Niver, A. Mae.....Craryville, N. Y.
Norton, Adele H.....Lakeville, Conn.
O'Donnell, Agnes.....New York City
O'Leary, Margaret Larey.....Yonkers, N. Y.
Parsons, Eva A.....Bates City, Mo.
Parsons, Louise.....Paterson, N. J.
Pfefferkorn, Blanche.....Baltimore, Md.
Pierce, Elizabeth.....Hamersville, Ohio
Powell, Ruth F. C.....Salisbury, Md.
Reed, Mabel Gertrude.....Dunkirk, N. Y.
Shaw, Clarissa.....Berkeley, Cal.
Sherinyan, William.....New York City
Smith, Fannie C.....New York City
Smith, Gladys Holden.....Kingston, Pa.
Smith, Grace M.....Lincoln, Kan.
Sovey, Raymond.....Mount Vernon, N. Y.
Stanley, Anna L.....Kingston, Pa.
Stobaugh, Clara J.....Englewood, N. J.
Stockwell, Ann B.....Stamford, Conn.
Sweinhart, Edna Mary.....Sioux City, Ia.
Talbot, Mildred Virginia.....Urbana, Ill.
Tarbox, Oscar C.....Lodi, N. J.
Taylor, Georgia M. B.....New York City
Thompson, Eliza B.....New Haven, Conn.
Titus, Ruth.....St. Thomas, Ontario, Can.
Tomlinson, Ella H.....Philadelphia, Pa.
Treen, Daisy B.....Palmer, Mass.
True, Eunice M.....Glen Dale, Md.
Van Bach, Wilhelmina.....Hudson, N. Y.
Wakefield, Mary Louise.....Newtonville, Mass.
Walstrom, Anna Steele.....Harrogate, Tenn.
Warinner, Mabel Straube.....Urbana, Ill.
Warner, Christine M.....Baltimore, Md.
Warner, Esther.....Lincoln, Neb.
Warner, Leroy M.....Ludlow, Mass.
Whitlock, Frances Jeannette.....Los Angeles, Cal.

WILSON, MARGUERITE LINDEN.....Jacksonville, Fla.
WOOD, JENNIE DANIELS.....Ithaca, N. Y.
ZUCKER, SAMUEL.....New York City

SUMMARY

A. School of Education:	
I. Graduate Students:	
Candidates for the Doctor of Philosophy degree and the Teachers College Diploma	112
Candidates for the Master of Arts degree and the Teachers College Diploma	426
Unclassified	74
	612
II. Professional Students:	
Candidates for the Bachelor of Science degree and the Teachers College Diploma or for the Departmental Certificate:	
For Teaching:	
Biology	3
Elementary Education	25
English	47
French	7
Geography	1
German	16
History	27
Kindergarten	18
Latin	8
Mathematics	24
Physical Science	11
Religious Education	4
Secondary Schools	1
Spanish	1
Supervision in Elementary Schools	87
Supervision in Kindergarten	33
Supervision in Primary Grades	11
Candidates for the Bachelor of Science degree only	1
III. Unclassified Students	90
Less duplicate counts, students candidates for more than one diploma	414
B. School of Practical Arts.	
I. Candidates for the degree of Bachelor of Science in Practical Arts:	
Freshmen	187
Sophomores	104
Juniors	81
Seniors	23
Unclassified	58
	453
II. Professional Students:	
Candidates for the degree of Bachelor of Science in Education and the Teachers College Diploma, or for the Departmental Certificate:	
For Teaching:	
Fine Arts	74
Household Arts	261
Industrial Arts	59

Music	24
Nursing and Health	37
Physical Education	56
Unclassified	10
Total resident registration	1992
C. I. Additional matriculated students, Summer Session 1914	870
Net total matriculated students	2862
II. Students from other parts of the University	408
Total matriculated students	3270
III. Non-matriculated students (special classes) registered at Teachers College	1799
Total attendance	5069
In addition to the above there are this year 1201 pupils in the Horace Mann Schools and 211 in the Speyer School; total	1412
Total attendance at Teachers College and its schools	6481

COLLEGE OF PHARMACY

Faculty President BUTLER

Dean RUSBY

Professors ARNY, BASTEDO, CHANDLER, COBLENTZ, CURTIS, DIEKMAN, ELLIOTT, GIES, JESSUP, MANSFIELD, OEHLER, VORISEK, WIMMER.

Other Officers of Instruction FREDERICK A. LESLIE, Phar.D., *Instructor in Analytical Chemistry;* CHARLES W. BALLARD, A.M., Ph.Ch., Phar.D., *Instructor in Materia Medica;* JEANNOT HOSTMANN, Ph.G., *Instructor in Chemistry;* LEO ROON, Ph.Ch., *Instructor in Pharmacy;* Miss FANNIE HART, Ph.G., *Assistant in Materia Medica;* BENJAMIN MASLON, Ph.G., *Assistant in Analytical Chemistry;* SYLVIO FASANO, Ph.G., *Assistant in Pharmacy.*

Delegate to the University Council (see page 5)

General Statement The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists, Pharmaceutical Chemists, Bachelors of Science in Pharmacy and Doctors of Pharmacy and, as well, a valuable addition to the University's resources for teaching and research in botany, chemistry, and materia medica.

Admission

Candidates for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, held in June of each year (see page 195).

College Course The College course of two years, leading to the degree of Graduate in Pharmacy is open only to persons holding the Qualifying Certificate for a Pharmacy Student, granted by the State Education Department for 15 Regents' counts or their equivalent.

University Course

The University course of three years, leading to the degree of Pharmaceutical Chemist is open only to persons who have completed a four-year course in a registered high school or who have passed the Entrance Examinations of Columbia University or of the College Entrance Examination Board.

Graduate Course

The Graduate Course, leading in one year to the degree of Bachelor of Science in Pharmacy and in three years to the degree of Doctor of Pharmacy, is open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees.

Food and Drug Course

The Food and Drug Course is open to all graduates of this College, and to others whose training has qualified them to perform the necessary work.

Program of Study

1. A College Course, consisting of a junior and senior year, leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying the graduate to meet any examination for the position of licensed pharmacist.

The work undertaken is as follows: Junior year: physics, general and pharmaceutical chemistry, analytical chemistry, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, physiology, and toxicology. Senior year: organic chemistry, inorganic and organic pharmaceutical chemistry and analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, macroscopical pharmacognosy, microscopical pharmacognosy.

2. A University Course of three years leading to the degree of Pharmaceutical Chemist, conferred by the University. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year. It includes instruction in general biology and a laboratory course in physics, in addition to the studies of the College course.

3. A third or Graduate Course leading to the degrees of Bachelor of Science in Pharmacy and Doctor of Pharmacy.

Beginning with the session of 1915–1916, the Graduate course of this College, leading to the degrees of Bachelor of Science in Pharmacy, and Doctor of Pharmacy, will be based on the degree of Pharmaceutical Chemist or an equivalent degree, conferred for at least three years' work of not less than 600 hours each, following high school graduation.

The work of the Graduate course, occupying three days weekly, will then cover three years of not less than 600 hours each. At the end of the first year successful candidates will receive the degree of Bachelor of Science in Pharmacy, and at the end of the course that of Doctor of Pharmacy.

The purpose of this course is the training of men and women for the higher duties of pharmaceutical and allied service, such as pharmaceutical and commercial analysis, food and drug inspection and commissionship, health board and pharmacy board membership, and pharmaceutical teaching.

This baccalaureate degree, secured on equal terms with that conferred in other professions, confers equal privileges therewith, except as to the number of units of work performed. A holder of this degree desiring to transfer his activities to another profession, or to study for a higher degree, will be credited in such course with the number of units pertaining to his Bachelor of Science in Pharmacy course, and his standing, up to this point, is the same as that secured in other baccalaureate departments.

4. A course of one year in the microscopical and chemical analysis of foods and drugs. A Summer Preparatory Course of twelve weeks is provided for those who, for any reason, require training in special subjects as a preparation for the Food and Drug Course.

5. An evening course, extending through the term, in microscopical pharmacognosy. This course is specially designed to fit pharmacists who graduated before such instruction was given in the schools for applying the microscopical tests of the forthcoming edition of the United States Pharmacopoeia.

6. A number of special courses of instruction have also been established partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

Method During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy. This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the classes, in small sections.

Prizes (see page 485)

REGISTER OF STUDENTS

COLLEGE OF PHARMACY

FIRST YEAR UNIVERSITY CLASS

Bacon, Wilmer O.....Greenwood, Miss.
Bartlett, Kenneth Alwin.....Dalton, Mass.
Brown, Leo Robert.....Carteret, N. J.
Brown, Miss Lois Audrey.....Englewood, N. J.
Cohen, Harry Adolph.....Brooklyn, N. Y.
Corti, Renato Mario.....Mamaroneck, N. Y.
German, Barnet.....New York City
Hammond, Arthur Augustus.....W. Orange, N. J.
Keenan, Earle Thomas.....Lindley, N. Y.
Kirkland, Kenneth Salisbury.....Canton, N. Y.
Kleppner, Miss Vilma.....New York City
Lehman, Roy Allison.....Tottenville, S. I.
Lipowsky, Isidore.....Mamaroneck, N. Y.
Manjoney, Vincent, Jr.....Bridgeport, Conn.
Miller, Miss Elsie Mae.....Brooklyn, N. Y.
Raggie, Mrs. Beatrice I.....Jersey City, N. J.
Rizzo, Peter A.....New York City

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JUNIOR COLLEGE CLASS

Ackerman, Stephen Ward.....Poughkeepsie, N. Y.
Amedeo, Guiseppe.....New York City
Aragiusto, Pasquale.....New York City
Aronovic, Abraham.....New York City
Axelbank, Philip.....New York City
Baddour, Mrs. Estella Jordan.....New York City
Baker, Albert E.....Yarmouth, Me.
Ball, Harold S.....Monroe, N. Y.
Baron, Saul Julius.....New York City
Baum, Miss Jennie.....New York City
Begg, Sterling.....Tuckahoe, N. Y.
Becker, Morris.....Yonkers, N. Y.
Bellinson, Samuel I.....New York City
Benjamin, Samuel.....New York City
Berger, Kalmen.....Brooklyn, N. Y.
Berger, Milton.....Port Chester, N. Y.
Berkowitz, Samuel.....New York City
Binder, Paul Burdette.....Pottstown, Pa.
Blomeier, Walter Henry.....New York City
Bower, Charles W.....Jersey City, N. J.
Brennan, Bernard D.....Mohawk, N. Y.
Brown, Samuel George.....Brooklyn, N. Y.
Brunswig, Leo.....Jersey City, N. J.
Buccanning, Le Roy Howard.....Port Jervis, N. Y.
Bull, Daniel M.....Wallkill, N. Y.

Burns, Howard Milton.....New York City
Chalian, Vincent F.....Priceburg, Pa.
Checchia, Miss Theresa.....New York City
Cohen, Harry.....New York City
Cohen, Morris.....New York City
Coronel, Jean Jacques.....New York City
Cumming, James Henry.....Brooklyn, N. Y.
D'Anca, Alfredo.....New York City
Davidson, Miss Fannie.....New York City
Desangles, Julius Alfred.....New York City
De Santis, Humbert.....New York City
Dincin, Herman B.....New York City
Dowsey, George Harold.....Great Neck, L. I.
Egerman, Isadore.....Yonkers, N. Y.
Escoett, Jacob.....Port Chester, N. Y.
Ferrari, Louis.....New York City
Fitzgerald, William T.....Dushore, Pa.
Frank, Richard A.....Union Hill, N. J.
Friedlander, Alexander Wm.....New York City
Friedman, Alexander Seymour.....New York City
Friedman, Isidore.....New York City
Friedman, Nathan.....Brooklyn, N. Y.
Fritz, Jacob.....New York City
Galgano, Louis.....White Plains, N. Y.
Geist, Valentine C.....Brooklyn, N. Y.
Gell-Mann, Isidore.....New York City
Gerson, Simon J.....New York City
Glaser, Joseph Bruno.....New York City
Goldberg, Edward Isaac.....Trenton, N. J.
Gorman, Bernard A.....Scranton, Pa.
Goulko, Martin.....New York City
Granatelli, Achille.....New York City
Great, Samuel.....New York City
Grossman, Jesse.....New York City
Gutowski, Adam Timothy.....New York City
Hanellin, Simon.....New York City
Harwood, Harold Everett.....Utica, N. Y.
Hatch, Stephen Cleaves.....Portland, Me.
Hecht, William Samuel.....New York City
Heisler, John Jacob.....New York City
Heller, Henry Bernard.....New York City
Heller, Jacob A.....New York City
Heller, Max J.....New York City
Heller, Morris.....New York City
Horvitz, Abraham.....New York City
Iglitzin, Jacob.....New York City
Insinga, Salvatore.....New York City
Johnson, Victor.....Brooklyn, N. Y.
Jonas, Barnet G.....New York City
Jordan, Henry Robert.....Jersey City Heights, N. J.
Kaesmann, Herbert Charles.....Bridgeport, Conn.
Kahn, Philip.....New York City
Kalsch, Francis Joseph.....New York City
Kaplan, Harry.....New York City
Kaplow, Miss Rose.....New York City
Klein, Herman S.....New York City

KLINGELE, CONRAD P.....Stapleton, S. I.
KNIASEWICH, ABRAHAM.....New York City
KOHOUT, OTTO.....New York City
KOZAKEVITZ, LOUIS.....New York City
KRAMER, JACOB L.....New York City
KRIMKE, CARLO JOSEPH.....New York City
LANDSMAN, SAMUEL M.....New York City
LANZA, JOSEPH N.....New York City
LARSON, CARL G.....Elmira, N. Y.
LATTMAN, ISIDORE.....New York City
LATTMAN, MORRIS.....New York City
LEFFER, MORRIS M.....New York City
LEIN, MISS PAULINE.....Jersey City Heights, N. J.
LERNER, ABRAHAM.....Brooklyn, N. Y.
LEVINSON, IRVING J.....Brooklyn, N. Y.
LEVITT, WILLIAM MYRON.....New York City
LEVY, ISIDORE.....New York City
LINCK, TRUMAN ADAM.....Kansas City, Mo.
LITZKY, HERMAN WILLIAM.....New York City
LORELLI, DOMINICK.....New York City
LOSCALZO, HENRY.....Winfield, L. I.
LUBMAN, HARRY.....New York City
MCBRIDE, WILLIAM JOSEPH.....New York City
MACAULEY, LEON BENEDICT.....New Canaan, Conn.
MCQUILLAN, RUFUS L.....Yarmouth, Me.
MAISLICH, MAURICE.....New York City
MARKOWITZ, JOSEPH.....New York City
MASELLI, ROBERT.....New York City
MASINI, ALFRED LOUIS.....W. Hoboken, N. J.
MASLON, JOSEPH.....New York City
MASTERSON, EUGENE A.....New York City
MATERA, AUGUSTUS ANTONIUS, JR.....Corona, L. I.
MAY, EDWARD A.....New York City
MAYEROWITZ, ISRAEL.....New York City
MEIER, MISS MARY E.....Butler, N. J.
MILLER, EDWARD S.....Weehawken, N. J.
MILLER, SAMUEL A.....New York City
MINTZIS, HERSCH LEIB.....New York City
MISTRETTA, JAMES.....New York City
MORCALDI, FRANK.....New York City
MOSSOWITZ, CHARLES.....New York City
MUELLER, EDWARD W.....Brooklyn, N. Y.
NADEL, ROSE.....New York City
NAVID, SAUL.....New York City
NICASTRO, E. EDWARD.....New York City
OBLETZ, SAMUEL.....New York City
PAGLIA, AMERIGO CHARLES.....New York City
PAPE, EDWARD AUGUST.....New York City
PASCAL, SOLOMON.....New York City
PERKINS, GEORGE W.....Glen Cove, L. I.
PERLA, MRS. FLORENCE N.....New York City
PIANTIERI, FORTUNATO E.....New York City
PINCK, JOSEPH LOUIS.....Passaic, N. J.
PIPI, MICHAEL GEORGE.....Jersey City, N. J.
PIZIK, ABRAHAM.....New York City
PROTZ, JOSEPH C.....Astoria, L. I.

Prussin, Adolph.....New York City
Rabinowitz, Jacob.....New York City
Rabinowitz, Miss Rose.....New York City
Raport, Julius.....New York City
Regan, John James.....Portchester, N. Y.
Resnick, Julius.....New York City
Rhodes, Paul B.....Ithaca, N. Y.
Richardson, Gerald Arthur.....Jersey City, N. J.
Rogoff, Samuel.....New York City
Rosati, Vincent.....L. I. City
Rosenberg, Joseph Herbert.....New York City
Rosenberg, Milton.....New York City
Rosenzweig, Louis.....New York City
Rovenger, Leopold.....New York City
Rubinfeld, Samuel Arthur.....New York City
Rubinstein, Emanuel Joseph.....New York City
Rulon, Richard Smith.....Bay Shore, L. I.
Russo, John M. R.....New York City
Saffer, Arthur.....New York City
Sakson, Milton William.....New York City
Salm, Raymond W.....Elizabeth, N. J.
Sandahl, John W.....Glen Cove, L. I.
Schatz, Joseph.....New York City
Schultz, Arthur.....New York City
Schwetz, Abraham.....New York City
Scilipoti, Ludwig William.....New York City
Shank, Julius I.....Newark, N. J.
Sharfin, Abraham.....New York City
Shereshensky, Gamliel.....New York City
Siebert, Frank T.....Corona, L. I.
Simon, Joseph.....New York City
Singer, Isador.....New York City
Skydanek, Bernard.....New York City
Slavin, Hyman.....New York City
Slobodkin, Louis.....Brooklyn, N. Y.
Smith, Edwin Joseph.....New York City
Smith, Henry Wallace, Jr.....Patchogue, L. I.
Smith, Joseph.....New York City
Smith, Meyer.....New York City
Snyder, Alfred C.....Patchogue, L. I.
Sobel, Philip.....Newburgh, N. Y.
Somers, Harold A.....Jersey City, N. J.
Sposta, Carmine A.....New York City
Steinhardt, Abraham.....New York City
Strasser, Walter Egbert.....New York City
Tarallo, Clement.....New York City
Tassinari, Caesar Anthony.....New York City
Tesiero, Thomas Raymond.....Amsterdam, N. Y.
Tetelman, Harry.....New York City
Toporofsky, Morris.....New York City
Trompeter, Aaron.....New York City
Viggiano, Nicholas.....New York City
Wasserman, Samuel.....New York City
Weisberg, Miss Dorothy M.....Long Island City, N. Y.
Weiss, Rudolph.....Winfield, L. I.
Weissman, Samuel.....New York City

WENGLE, WILLIAM.....New York City
WILENSKY, WOLF.....New York City
WRIGHT, LOUIS R.....Wilmington, Del.
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SECOND YEAR UNIVERSITY CLASS

ARONSTAMM, GEORGE CHARLES.....New York City
BLAU, JOSEPH.....New York City
BURNETT, ARTHUR CURTIS.....Hopewell Junction, N. Y.
CAFFREY, MISS EDYTHE R.....Stapleton, S. I.
CAPECI, ERNEST.....Portchester, N. Y.
COHEN, JOSEPH.....New York City
DISPENZA, MISS ROSE.....New York City
DRAGOTTA, BASIL.....New York City
DAUB, ARTHUR BELMONT.....New York City
ESPERSON, GERHARD E.....Brooklyn, N. Y.
GREEN, JOSEPH.....New York City
GUCK, OSMOND MAXIMILIAN.....Brooklyn, N. Y.
MCBRIDE, WILLIAM AMBLER.....Kingston, N. Y.
MADDEN, JAMES BERNARD.....Saranac Lake, N. Y.
MILLER, HENRY ELLSWORTH.....Roscoe, N. Y.
O'CONNOR, MISS MARY AGNES.....White Plains, N. Y.
O'HAGAN, CHARLES.....Port Chester, N. Y.
PAULONIS, JOSEPH FRANCIS.....Brooklyn, N. Y.
SESTA, JOSEPH ANTHONY.....Jersey City, N. J.
SCHUMACHER, FRED RUDOLPH.....Kearny, N. J.
STRONGIN, HERMAN FRANK.....Uncasville, N. Y.
VAN VOORHIS, ALFRED JAMES.....Highland Falls, N. Y.
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SENIOR COLLEGE CLASS

AJAMIAN, AARON.....New York City
AMBROSE, FRED EDWARD.....Bridgeport, Conn.
AMICO, JR., PASQUALE.....New York City
ANGEL, EMIL.....Brooklyn, N. Y.
ARGINTEANU MISS DEBORAH.....New York City
AVSTREIH, WILLIAM M.....New York City
BACH, ALEXANDER.....New York City
BANKERT, ANTHONY.....Utica, N. Y.
BARKIN, BENJAMIN.....New York City
BATTAGLIA, JOHN.....New York City
BEDRICK, MAX.....New York City
BERKOWITZ, BENJAMIN H.....New York City
BERKOWITZ, BERNARD S.....New York City
BERNSTEIN, NATHAN J.....New York City
BESSER, ARTHUR W.....New York City
BLAKE, LESLIE L.....Port Byron, N. Y.
BLEICHER, MAX.....New York City
BLINDER, WILLIAM.....New York City
BOEHLERT, CARL ALOYSIUS.....Utica, N. Y.
BOEHME, CARL.....New York City
BRAVIN, HENRY JACOB.....New York City
BRILL, MISS LENA.....New York City
CAIROLI, JOSEPH.....West Hoboken, N. J.
CAMPBELL, JAMES WALTER.....Suffern, N. Y.
CANNELLA, GIUSEPPE.....New York City
CARABILLO, ANTONIO SETTINO.....New York City

CECERE, THOMAS J.....Brooklyn, N. Y.
CHAMBERS, ISIDOR SAMUEL.....New York City
CHAPMAN, NATHANIEL.....Yonkers, N. Y.
CIRILLO, MARIO L.....New York City
COHEN, BENJAMIN.....New York City
COHN, NATHAN.....New York City
CORSO, ARTHUR.....New York City
DAVIS, JESSE E.....Smithtown Branch, L. I.
DONNELLY, WILFRED JOHN.....Bay Shore, L. I.
DOUGHERTY, CHARLES.....Harrison, N. Y.
DUNN, BERNARD JOSEPH.....New York City
DWORKIN, SAMUEL.....New York City
DWORKIN, SAMUEL O.....New York City
EHRLICH, ABRAHAM.....New York City
EPSTEIN, MORRIS LAZAR.....New York City
ETTENBERG, GEORGE JOHN.....New York City
FEIGIN, SOLOMON.....New York City
FEINBERG, HYMAN.....New York City
FEINERMAN, JACOB.....New York City
FELDMAN, PHILIP.....Brooklyn, N. Y.
FELDSTEIN, BENJAMIN.....New York City
FELTUS, LAMBERT M.....Seneca Falls, N. Y.
FENIELLO, JEREMIA.....New York City
FIORENTINO, PAUL JOSEPH.....New York City
FLECK, JOSEPH.....Asbury Park, N. J.
FRIEDLEIB, JACOB.....Arverne, L. I.
FRIEDMAN, REUBEN.....Brooklyn, N. Y.
FRISCIA, JOSEPH PASQUALE.....New York City
FRYER, LOUIS.....New York City
GALLO, VINCENT.....New York City
GEIGER, BENJAMIN.....New York City
GEIGER, HOWARD A. W.....New York City
GIAQUINTO, EUGENE.....New Haven, Conn.
GILLIAR, RAYMOND.....Great Neck Station, L. I.
GOLDBERG, MISS MARY.....New York City
GOTTESMAN, LOUIS.....New York City
GRAVES, GEORGE NATHAN.....Mohawk, N. Y.
GRAYSTONE, BIRT E.....Utica, N. Y.
GREENBERG, WILLIAM.....New York City
GREENWALD, MORRIS M.....New York City
GRIMM, HERMAN.....New York City
GROSSMAN, DAVID.....New York City
GURRY, WALTER JOSEPH.....Utica, N. Y.
HADINGER, AUGUST JOSEPH.....New York City
HAGAMAN, LE ROY SHARETT.....Port Richmond, S. I.
HEDDESHEIMER, HENRY E.....New York City
HENDLER, MAX.....New York City
HENKEL, WALDEMAR.....Brooklyn, N. Y.
HERPOLSHEIMER, ALFRED OSTWALD.....New York City
HERSHENSTEIN, HARRY.....New York City
HILL, JOHN J.....Marlboro, N. Y.
HIRSCH, PHILIP.....Yonkers, N. Y.
HOFSTEIN, SAM.....Brooklyn, N. Y.
HUDES, HENRY L.....New York City
ISRAEL, LEON DAVID.....New York City
JAFFE, WILLIAM M.....Paterson, N. J.

KANTOR, MAX.....Brooklyn, N. Y.
KAPPLOW, MAURICE LEO.....New York City
KAUFMAN, JOSEPH BERNARD.....New York City
KEENEY, RANSOM IRVING.....Wellsboro, Pa.
KEMP, EDWARD, JR.....New York City
KENNEDY, AUGUSTUS T.....New Bern, N. C.
KING, JOHN WILLIAM, JR.....Jersey City, N. J.
KIRKWOOD, THOMAS CARSON.....Westbrook, Me.
KNEVIT, CHARLES HOWARD.....Larchmont, N. Y.
KRECHEVSKY, MORRIS.....New York City
LAROSSA, ALFRED.....New York City
LEE, ROBERT L.....Middletown, N. Y.
LEVIN, NATHAN.....New York City
LEVINE, MAX.....New York City
LEVINE, SALEM.....Brooklyn, N. Y.
LICHTENSTEIN, ABRAHAM GEORGE.....New York City
LINDEMAN, MISS LENA J.....New York City
LIONE, JOHN.....New York City
LODEN, HERMAN.....Hastings, N. Y.
LYNCH, FRED DANIEL.....Deposit, N. Y.
MCGRANAGHAN, THOMAS.....Hancock, N. Y.
MCINDOE, JAMES F.....Lonaconing, Md.
MCNAMARA, JAMES.....No. Hampton, Mass.
MAGGIO, MICHAEL A.....New York City
MAZZONI, RAIMONDO.....New York City
MELTZER, BENJAMIN M.....New York City
MILHAUSER, LEON.....New York City
MILLER, D. SHELDON.....Amagansett, N. Y.
MOLLICA, LOUIS B.....New York City
MOSER, WILLIAM.....Brooklyn, N. Y.
MYERSON, MISS DAISY.....New York City
NEERGAARD, WILLIAM.....Brooklyn, N. Y.
NEIMETH, JACOB.....Brooklyn, N. Y.
NISSELSON, ABRAHAM.....New York City
O'MALLEY, BERNARD.....Scranton, Pa.
OREFICE, VICTOR M.....New York City
PALMER, HALSEY L.....Oneonta, N. Y.
PETRELLA, GABRIEL.....Brooklyn, N. Y.
PIANTIERI, RALPH EUGENE.....New York City
PICA, ALFRED.....New York City
PRETZELL, PAUL.....New York City
PORTNOW, DAVID E.....New York City
RABINOWITZ, LAZAR.....New York City
RAMPULLA, JOSEPH JOHN.....Brooklyn, N. Y.
REICHARDT, GEORGE PETER.....Utica, N. Y.
REIDER, JULIUS.....New York City
ROSENBERG, DAVID.....New York City
ROSENFELD, SOL.....New York City
ROUDIN, MISS HELEN F.....Brooklyn, N. Y.
RUDERMAN, JACOB.....New York City
SACHS, JOSEPH.....New York City
SARLI, WILLIAM.....Brooklyn, N. Y.
SCHOENBERG, PAUL.....New York City
SCHWARTZ, DAVID.....New York City
SHAPIRO, MOSES.....New York City
SIENNA, WILLIAM R.....College Point, N. Y.

Sinclair, Everett.....Westbrook, Me.
Silverman, Miss Henrietta.....New York City
Sirkin, Jacob.....Newark, N. J.
Smedira, Nicholas Andrew.....New York City
Smith, Irving Lester.....Brooklyn, N. Y.
Smith, Paul Joseph.....Ossining, N. Y.
Smith, Walter A.....Danbury, Conn.
Solosko, Miss Anna.....Jersey City, N. J.
Somers, Charles J.....Jersey City, N. J.
Spottiswood, William.....New York City
Steves, Bertram Clarence.....New York City
Stoll, George.....West New York, N. J.
Strisower, Bernard.....New York City
Svigelsky, David.....New York City
Taddonio, Anthony J.....New York City
Taub, Saul.....New York City
Taylor, George Elwood.....Westbrook, Me.
Thom, Mrs. Edith Menke.....New York City
Valvano, John A.....New York City
Virden, George Dwyer.....New York City
Viscardi, Francis Peter.....New York City
Wallach, Benjamin E.....New York City
Ward, Clifford Edmund.....Westbrook, Me.
Warfman, Samuel.....Utica, N. Y.
Weinschenker, Israel.....New York City
Weinstein, Abraham.....New York City
Weiss, Frederick.....Astoria, N. Y.
Wheelock, Ralph Leander.....Hancock, N. Y.
Widoff, Philip.....New York City
Williams, Eynon Haverd.....New York City
Wilson, Abraham.....New York City
Wirtenberg, Herman.....New York City
Young, Alfred G.....Ilion, N. Y.
Zeroff, Max Harris.....New York City
Zucker, Louis W.....Hoboken, N. J.

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POST GRADUATE CLASS

Brown, Lewis Nathan.....Sag Harbor, N. Y
Arguello, J. Evenor.....Managua, Nicaragua
Posin, Shalem Elihu.....Brooklyn, N. Y.
Weicker, Theodore.....Stamford, Conn.

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FOOD AND DRUG CLASS

Rosenthal, J. Myron.....New York City

[1]

SUMMARY

First-year University class	17
Junior College class	196
Second-year University class	22
Senior College class	173
Post-graduates	4
Food and drug	1
Total	413

TABLE OF REGISTRATION AT COLUMBIA UNIVERSITY IN ALL FACULTIES, DURIN THE ACADEMIC YEAR 1913–1914

FACULTIES	First Year	Second Year	Third Year	Fourth Year	Non-candidates	Graduates	Total, 1913–14
Columbia College[1]	399	215	157	146	24	...	941
Barnard College	252	132	147	79	56	...	666
Total undergraduates	**651**	**347**	**304**	**225**	**80**	...	**1607**
Faculty of Political Science	...	...	...	...	58	418	476
Faculty of Philosophy	...	...	...	...	62	859	921
Faculty of Pure Science	...	...	...	...	39	291	330
Total non-professional graduate students[2]	...	...	...	...	...	...	**1727**
Faculty of Applied Science[3]	212	152	141	130	40	...	675
Faculty of Law[3]	144	146	130	...	47	...	467
Faculty of Medicine[3]	89	60	88	71	36	...	344
School of Journalism[3]	34	12	17	32	20	...	115
Faculty of Pharmacy	239	164	...	...	35	10	448
Teachers College { School of Education	...	...	452	299	333	391	1475
Teachers College { School of Practical Arts	145	131	41	6	12	...	335
Faculty of Fine Arts { Architecture[3]		126			25	...	151
Faculty of Fine Arts { Music[3]		2			16	1	19
Total professional students	...	...	...	...	...	...	**4029**
Deduct double registration[4]	...	...	...	...	...	...	429
Net total	...	...	...	...	...	...	**6934**
Summer Session, 1913	...	...	...	...	...	...	4539
Grand total	...	...	...	...	...	...	**11,473**
Deduct double registration[5]	...	...	...	...	...	...	1013
Grand net total	...	...	...	...	...	...	**10,460**
Students in extension teaching (net)[6]	...	...	...	...	...	...	2813
Special students in Teachers College[7]	...	...	...	...	...	...	1676

[1] The registration by years in Columbia College is according to the technical classification, deficient students being required to register with a class lower than that to which they would normally belong.

[2] The total, 1727, does not include 75 college graduates in Law (71), Medicine (2) Applied Science (1), and Journalism (1), who are also candidates for the degree of A.M. or Ph.D. It likewise does not include 681 candidates for the higher degrees enrolled in the Summer Session who did not return in either of the succeeding half-years. For classification by faculties see Table IV.

[3] Exclusive of college students also registered under the professional faculties (in the exercise of a professional option), as follows: 12 Seniors in the Schools of Mines, Engineering and Chemistry (Faculty of Applied Science); 26 Seniors in the School of Law; 18 Juniors and 11 Seniors in the School of Medicine; 7 Seniors in Teachers College; 4 Juniors and 5 Seniors in the School of Architecture; 2 Seniors in the School of Journalism; 1 Senior in the School of Music.

[4] Of the total, 422 are Teachers College students, 391 enrolled in the Faculty of Philosophy as candidates for the higher degrees (208 men and 183 women) and 31 special non-candidates (10 men and 21 women); and 7 are Columbia College students who graduated in February and subsequently enrolled in some other school of the University.

[5] Summer Session students who returned for work at the University.

[6] Attendance at the University (excluding 572 matriculated students and 89 students also registered in the Summer Session), 1962; attending away from the University, 851.

[7] Including 130 in Evening Technical courses and 1546 in special classes.

TABLE OF AGGREGATE ATTENDANCE ON ALL COURSES, 1913–1914 (EXCLUDING BARNARD COLLEGE, TEACHERS COLLEGE AND COLLEGE OF PHARMACY)

1912–1913	No. of Half-year Courses	No. of Registrations	Percentage of Total Enrollment
Departments			
Agriculture	12	19	.04
Anatomy (including Histology)	17	568	1.29
Anthropology	18	104	.24
Architecture	57	1747	3.96
Astronomy	8	261	.59
Bacteriology	10	116	.26
Biological Chemistry	23	375	.85
Botany	35	244	.55
Chemistry	95	1997	4.52
Civil Engineering	36	1541	3.49
Classical Philology:			
Classical Archaeology	13	93	.21
Classical Civilization	1	6	.01
Greek	26	105	.24
Latin	28	471	1.07
Dermatology	11	283	.64
Diseases of Children	16	844	1.91
Economics	38	977	2.21
Education	89	324	.73
Electrical Engineering	31	870	1.97
Engineering Drafting	8	598	1.35
English	72	2442	5.53
Comparative Literature	20	392	.89
Fine Arts	6	22	.05
Genito-Urinary and Venereal Diseases	4	192	.43
Geography	1	1	.01
Geology	43	599	1.36
Germanic Languages and Literature	68	964	2.18
Gynecology	16	320	.72
Highway Engineering	13	215	.49
History and Political Philosophy	95	1961	4.44
Hygiene and Preventive Medicine	4	122	.28
Journalism	25	574	1.30
Laryngology	6	201	.46
Mathematics	45	1675	3.79
Mechanical Engineering	47	1566	3.55
Metallurgy	27	640	1.45
Mineralogy	18	257	.58
Mining	21	584	1.32
Municipal and Private Law	40	4381	9.92
Music	21	249	.56
Nature Study	2	2	.01
Neurology	7	587	1.33
Obstetrics	6	438	.99
Ophthalmology	4	178	.40
Oriental Languages:			
Chinese	10	30	.07
Indo-Iranian Languages	13	33	.07
Semitic Languages	24	72	.16
Orthopedic Surgery	6	112	.25
Otology	4	188	.43
Pathology	20	666	1.51
Pharmacology, Materia Medica and Therapeutics	17	689	1.56
Philosophy	38	1037	2.35
Physical Education	6	1699	3.85
Physical Science	2	3	.01
Physics	32	1078	2.44
Mathematical Physics (Mechanics)	18	543	1.23
Physiology	13	211	.48
Politics and Government	10	551	1.25
Practice of Medicine	33	1629	3.69
Public Law	22	820	1.86
Psychology	41	484	1.10
Religion	4	90	.20
Roman Law and Jurisprudence	6	197	.45

1912–1913	No. of Half-year Courses	No. of Registrations	Percentage of Total Enrollment
Romance Languages and Literature:			
Celtic	4	4	.01
French	48	796	1.80
Italian	12	62	.14
Romance Philology	12	86	.19
Spanish	6	108	.25
Science of Language	4	38	.09
Shopwork	12	305	.69
Social Economy	14	269	.61
Sociology	42	573	1.30
Speech	6	10	.02
Surgery	33	1264	2.86
Zoology	38	402	.91
	1733	**44154**	**100.00**

TABLE OF RESIDENCE OF STUDENTS IN THE UNITED STATES

1913–1914	College	Law	Medicine	Applied Science	Fine Arts	Journalism	Political Science	Philosophy	Pure Science	Barnard College	Teachers College	College of Pharmacy	Duplicates	Net Total
North Atlantic Division.... (79.53 per cent.)	**869**	**331**	**278**	**584**	**128**	**77**	**351**	**661**	**261**	**619**	**1191**	**431**	**264**	**5515**
Connecticut	8	8	10	9	7	7	3	9	1	6	41	7	6	110
Maine	...	1	2	...	...	1	6	6	2	1	10	6	4	31
Massachusetts	4	10	3	7	2	4	12	21	18	9	48	5	13	130
New Hampshire	1	...	1	...	...	...	...	4	...	...	13	...	3	16
New Jersey	92	33	26	56	6	6	36	77	21	66	221	33	46	627
New York	749	250	225	504	112	50	274	511	202	530	740	376	172	4351
Pennsylvania	13	21	8	6	1	8	18	29	12	6	103	4	20	209
Rhode Island	...	3	2	1	...	1	1	1	3	1	5	...	1	18
Vermont	2	5	1	1	...	...	1	2	2	...	10	...	1	23
South Atlantic Division.... (4.03 per cent.)	**14**	**34**	**20**	**12**	**9**	**9**	**25**	**55**	**10**	**11**	**100**	**5**	**24**	**280**
Delaware	...	1	...	...	...	1	...	1	1	...	1	...	...	5
Dist. of Columbia	3	3	1	4	1	1	2	2	1	...	6	...	1	23
Florida	...	6	...	1	1	...	...	1	...	1	5	...	...	15
Georgia	1	11	7	1	1	2	1	5	3	3	20	...	4	51
Maryland	3	...	1	3	1	...	2	6	...	1	19	2	5	33
North Carolina	2	9	6	...	2	1	8	11	1	1	13	3	6	51
South Carolina	...	...	1	1	1	1	5	9	...	...	9	...	1	26
Virginia	4	3	4	2	2	2	2	14	4	4	20	...	2	59
West Virginia	1	1	...	...	...	1	5	6	...	1	7	...	5	17
South Central Divisiou..... (2.30 per cent.)	**5**	**30**	**8**	**6**	**5**	**5**	**12**	**33**	**4**	**10**	**53**	**1**	**12**	**160**
Alabama	2	2	2	1	...	1	1	4	1	2	11	...	2	25
Arkansas	...	4	1	...	1	...	...	...	...	...	...	...	...	6
Kentucky	...	4	...	1	1	1	2	3	...	1	9	...	3	19
Louisiana	...	1	...	...	...	...	...	2	1	...	7	...	2	9
Mississippi	...	2	1	1	...	...	2	4	...	1	2	...	...	13
Oklahoma	...	5	2	...	...	1	1	1	1	...	5	...	...	16
Tennessee	2	7	1	...	...	...	2	10	1	3	11	...	4	33
Texas	1	5	1	3	3	2	4	9	...	3	8	1	1	39
North Central Division.... (8.32 per cent.)	**19**	**44**	**20**	**21**	**16**	**23**	**49**	**114**	**30**	**15**	**302**	...	**76**	**577**
Illinois	2	2	2	1	2	4	4	14	7	...	50	...	12	76
Indiana	4	4	1	6	3	6	5	13	4	1	31	...	7	71
Iowa	1	3	2	3	1	2	5	7	3	1	17	...	4	41
Kansas	...	4	1	1	...	1	4	11	2	2	16	...	6	36
Michigan	1	4	2	1	...	3	3	8	4	2	32	...	8	52
Minnesota	...	2	2	1	1	2	...	5	1	1	24	...	5	34
Missouri	1	3	3	3	1	2	3	11	1	1	20	...	7	42
Nebraska	1	2	2	...	2	1	1	3	...	1	13	...	4	22
North Dakota	...	3	...	1	1	...	...	...	6	1	6	...	...	18
Ohio	7	13	3	4	5	2	20	33	...	4	66	...	18	139
South Dakota	1	...	...	...	...	...	1	2	...	...	5	...	2	7
Wisconsin	1	4	2	...	...	...	3	7	2	1	22	...	3	39
Western Division..... (2.79 per cent.)	**12**	**21**	**13**	**19**	**8**	**1**	**15**	**24**	**10**	**5**	**87**	...	**21**	**194**
Arizona	...	...	...	...	...	...	...	1	1	...	3	...	1	4
California	4	3	3	6	3	...	8	9	3	1	42	...	11	71
Colorado	2	3	3	4	1	...	5	2	1	2	7	...	1	29
Idaho	...	...	1	2	...	...	...	1	...	...	2	...	1	5
Montana	...	2	...	1	1	...	...	2	...	...	5	...	2	9
Nevada	...	1	...	...	...	...	...	...	...	1	...	...	...	2
New Mexico	1	...	1	...	...	...	...	...	...	...	2	...	...	4
Oregon	1	2	1	2	2	...	...	1	1	1	9	...	2	18
Utah	4	8	3	2	1	...	1	1	2	...	5	...	...	27
Washington	...	1	1	2	...	1	1	7	...	...	12	...	3	22
Wyoming	...	1	...	...	...	...	...	...	2	...	...	...	...	3
Insular and Non-Contiguous Territories..... (0.245 per cent.)	**2**	**1**	**1**	**2**	...	...	...	**4**	...	...	**11**	...	**4**	**17**
Alaska	...	...	...	1	...	...	...	...	...	...	1	...	...	2
Hawaiian Islands	...	...	...	1	...	...	...	...	...	...	4	...	1	4
Philippine Islands	...	1	1	...	...	...	...	3	...	...	2	...	2	5
Porto Rico	2	...	...	...	...	...	...	1	...	...	4	...	1	6
Totals	**921**	**461**	**340**	**644**	**166**	**115**	**452**	**891**	**315**	**660**	**1787**	**437**	**403**	**6934**

TABLE OF RESIDENCE OF STUDENTS IN FOREIGN COUNTRIES

1913–14	College	Law	Medicine	Applied Science	Fine Arts	Journalism	Political Science	Philosophy	Pure Science	Barnard College	Teachers College	College of Pharmacy	Duplicates	Net total
Australia	...	...	...	...	...	...	...	1	1	...	...	...	...	2
Belgium	1	...	...	1	...	...	...	1	...	...	...	...	...	3
Brazil	...	...	...	1	...	...	...	...	...	...	1	...	...	2
Canada	...	...	...	2	2	...	9	5	3	1	25	...	5	42
China	10	...	2	7	...	...	5	9	8	2	15	3	10	51
Colombia	...	...	...	2	...	...	...	...	...	...	...	...	...	2
Costa Rica	...	1	...	2	...	...	...	...	...	...	1	...	1	3
Cuba	...	2	...	3	1	...	...	...	...	...	2	3	1	10
France	1	...	...	...	1	...	...	1	...	...	...	...	...	3
Germany	1	1	...	...	...	...	...	1	...	1	2	1	1	6
Great Britain and Ireland	2	...	...	2	...	...	...	2	...	...	3	1	2	8
Greece	...	...	...	1	...	...	...	...	...	...	1	...	...	2
India	1	...	...	1	...	...	3	...	...	...	1	...	...	6
Italy	...	...	...	2	...	...	...	...	...	...	...	...	...	2
Japan	1	1	...	1	...	...	5	6	1	...	5	...	3	17
New Zealand	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Mexico	...	...	...	3	...	...	...	1	...	...	1	...	1	4
Nicaragua	...	...	...	...	...	...	...	...	...	...	...	2	...	2
Norway	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Panama	...	...	...	...	...	...	...	...	...	...	2	...	...	2
Peru	...	...	...	...	...	...	...	...	...	1	...	...	...	2
Persia	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Russia	2	...	...	...	...	...	...	...	...	...	...	...	...	2
South Africa	...	...	...	1	...	...	...	1	...	...	1	...	1	2
Sweden	...	...	...	...	...	...	...	1	...	...	1	...	...	2
Turkey	...	1	1	2	...	...	2	...	...	...	3	1	1	9
Turkey in Asia	...	...	1	...	...	...	...	...	1	...	...	...	...	2
West Indies	...	...	...	...	...	...	...	1	...	...	1	...	...	2
Total (2.75 per cent.)	20	6	4	31	4	0	24	30	15	6	66	11	26	191
Grand Total	941	467	344	675	170	115	476	921	330	666	1810	448	429	6934

SUMMER SESSION

General Statement

The fifteenth Summer Session of the University opened July 6, 1914, and closed August 14. The registration days for the Summer Session were July 2 and 3. Examinations for certificates were held on August 14.

Courses were offered to men and women on equal terms in agriculture, anthropology, architecture, assaying, astronomy, biology, bookkeeping, and accounting, botany, chemistry, comparative philology, commercial arithmetic, classical archaeology, corporation finance, domestic art, domestic science, economics, education, elocution, engineering, English, fine arts, freehand drawing, French, geography, geology, German, Greek, history, history of religion, household arts, industrial arts, Italian, kindergarten, Latin, law, library economy, manual training, mathematics, mechanical drawing, mechanics, medicine, metallurgy, mineralogy, music, philosophy, physical education, physical geography, physics, physiology, politics and public law, psychology, public speaking, religion, Romance languages, sociology, Spanish, stenography and typewriting, and zoölogy.

Evening courses were also offered in the following subjects: architecture, bookkeeping, economics, English, French, mathematics and stenography.

Each course consisted of thirty-one lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees, or for diplomas in teaching, is given upon the satisfactory completion of the course, including the final examination.

FEES (see page 57)

The tuition fee for the summer Session is $30, which covers courses of instruction aggregating six points credit, the normal limit allowed by the regulations.

For the current *Announcement* of the Summer Session which will open July 6 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Registration 1914

Copies of the separately printed *Directory of the Summer Session, 1914,* may be had upon the payment of twenty-five cents, plus postage. Application should be made to the Secretary of the University. In this catalogue, at the close of the Register of Students under each Faculty, will be found a list of the Summer Session students of 1914 who matriculated under that Faculty, but who did not return to register in September.

Summary

I. Non-matriculated		3204
II. Matriculated:		
1. Columbia College	248	
2. Barnard College	83	
3. Mines, Engineering and Chemistry	119	
4. Law	93	
5. Medicine	12	
6. Fine Arts	17	
7. Political Science	157	
8. Philosophy*	846	
9. Pure Science	146	
10. Teachers College	646	
11. Journalism	19	
	——	2386
		5590

* Including —— students with education as a subject of major interest registered under the Faculty of Philosophy through Teachers College.

SUMMER SESSION STUDENTS CLASSIFIED ACCORDING TO RESIDENCE

North Atlantic Division:				
Connecticut		95		
Maine		39		
Massachusetts		185		
New Hampshire		22		
New Jersey		436		
New York:				
Outside of New York City	527			
Manhattan and Bronx	1215			
Brooklyn	298			
Queens	75			
Richmond	12			
	1600			
		2127		
Pennsylvania		379		
Rhode Island		30		
Vermont		17		
			3330	59.56%
South Atlantic Division:				
Delaware		17		
District of Columbia		65		
Florida		39		
Georgia		150		
Maryland		117		
North Carolina		119		
South Carolina		86		
Virginia		148		
West Virginia		43		
			784	14.02%
South Central Division:				
Alabama		52		
Arkansas		11		
Kentucky		57		
Louisiana		19		
Mississippi		7		
Oklahoma		12		
Tennessee		87		
Texas		61		
			306	5.48%

SUMMER SESSION STUDENTS CLASSIFIED ACCORDING TO RESIDENCE (*Cont'd*)

North Central Division:			
Illinois	86		
Indiana	106		
Iowa	70		
Kansas	57		
Michigan	106		
Minnesota	56		
Missouri	55		
Nebraska	28		
North Dakota	6		
Ohio	279		
South Dakota	16		
Wisconsin	62		
		927	16.58%
Carried forward		5347	95.64%
Brought forward		5347	95.64%
Western Division:			
Arizoua	3		
California	51		
Colorado	17		
Idaho	6		
Montana	11		
Nevada	1		
New Mexico	1		
Oregon	12		
Utah	8		
Washington	21		
		131	2.35%
Insular and Non-Contiguous Territories:			
Alaska	1		
Hawaiian Islands	3		
Porto Rico	6		
		10	0.18%
Foreign Countries:			
Austria	1		
Belgium	2		
Bermuda	1		
Brazil	3		
British Guiana	1		
Canada	51		
China	21		
Colombia, So. Am.	2		
Costa Rica	1		
Cuba	3		
England	1		
India	4		
Italy	1		
Japan	2		
Mexico	1		
Panama, Central America	2		
Persia	1		
Transvaal, So. Africa	1		
Turkey	3		
		102	1.83%
		5590	100.00%

SUMMER SESSION STUDENTS CLASSIFIED ACCORDING TO ATTENDANCE ON COURSES

SUBJECTS	No. of Courses	No of Regis-trations	Percentage of Total Enrollment
Agriculture	5	10	0.07
Anthropology	2	24	0.16
Architecture	12	64	0.43
Astronomy	2	21	0.14
Biblical Literature	5	37	0.25
Biology	1	26	0.17
Bookkeeping	2	38	0.26
Botany	7	53	0.36
Chemistry	21	331	2.22
Classical Philology:			
Classical Archaeology	2	22	0.15
Comparative Philology	1	5	0.03
Greek	4	21	0.14
Latin	13	241	1.61
Commercial Arithmetic	2	23	0.15
Economics	11	270	1.81
Education	85	4560	30.15
Engineering	3	26	0.17
English	28	1136	7.60
Fine Arts	13	483	3.23
Geography	4	82	0.55
Geology	6	33	0.22
German	18	461	3.09
History	16	478	3.20
Household Arts	37	1507	10.08
Hygiene	1	29	0.19
Industrial Arts	25	546	3.65
Kindergarten	3	85	0.57
Law	14	337	2.26
Library Economy	4	70	0.47
Mathematics	16	521	3.49
Mechanical Drawing	5	41	0.27
Medicine[1]	8	92	0.62
Metallurgy	3	9	0.06
Mineralogy	3	17	0.11
Music	10	191	1.28
Nature-Study	1	32	0.21
Philosophy	10	197	1.25
Philosophy and Religion	4	24	0.16
Physical Education	25	1151	7.70
Physics and Mechanics	14	328	2.19
Physiology	5	100	0.67
Politics	6	88	0.59
Psychology	9	230	1.54
Romance Languages:			
French	19	320	2.14
Italian	3	44	0.29
Spanish	5	85	0.57
Romance Philology	2	3	0.02
Slavonic	2	7	0.05
Sociology	4	90	0.60
Speech	1	124	0.83
Stenography and Typewriting	7	192	1.28
Vocational Guidance	1	64	0.43
Zoölogy	2	40	0.27
Totals	512	14,945	100.00

[1] 12 courses offered, but no registration in 4.

EXTENSION TEACHING

General Statement The statutes of the University define Extension Teaching as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students unable to attend the regular courses of instruction.

Students Courses in Extension Teaching are planned for two classes of students: (1) men and women who can give only a portion of their time to study and who desire to pursue subjects included in a liberal education of the character and grade of a college or professional school, but without any reference to an academic degree; (2) those who look forward to qualifying themselves to obtain in the future academic recognition, involving acceptance of the work which they may satisfactorily complete in Extension Teaching.

Students who are duly admitted to Extension courses but are not candidates for a degree or diploma are termed non-matriculated students. Students who have completed the requirements for admission and have been formally admitted by or in behalf of the Faculty concerned as candidates for a degree or diploma are termed matriculated students.

Courses of Instruction Under the direction of the University Council courses are offered in Extension Teaching which count toward the degree of Master of Arts.

Regular courses of instruction are offered in Extension Teaching which in many instances, are coördinated so as to form at least the first years of collegiate and professional work, thus providing in the evening at Morningside Heights, and elsewhere, courses in subjects which are generally offered in the Freshman and Sophomore and Junior years of college, so that students may qualify themselves for admission with advanced standing to Columbia College and Barnard College as candidates for the degrees of Bachelor of Arts and Bachelor of Science.

There are also offered at Morningside Heights in the evening subjects which are given in the Schools of Mines, Engineering and Chemistry, so that a student may pursue some special line of scientific study or prepare himself for advanced study in these schools. Courses in these schools are open only to those who have had a preliminary course of three years in Columbia College or the equivalent. This preliminary collegiate course may be taken in part or in full in Extension Teaching in the evening by students engaged in business during the day.

Evening courses are offered in architecture at Morningside Heights which correspond to the courses of the Columbia University School of Architecture.

Evening courses in commerce and finance, forming a three-year course leading to a certificate in commerce and preparing for the State examination for the certificate of Certified Public Accountant, are given at Morningside Heights.

A series of courses intended to equip students for the position of secretary is also offered. The completion of these courses require three years for high school graduates and at least one year for college graduates.

Many courses are offered which aid a student to prepare for the Schools of Law, Medicine and Journalism or to complete his preparation for Columbia College or for the scientific schools.

A two year course in practical optics is offered in coöperation with the Department of Physics for the special training of those who expect to become optometrists.

Courses are offered in agriculture for those who desire special work in that subject.

A large number of other courses in varied subjects is given late in the afternoon and on Saturday which repeat those in liberal studies offered in the Colleges of the University. These are given in the same manner and often by the same instructors as the regular courses. In many instances university credit is granted.

Numerous courses are given at various centres. These are either regular courses of collegiate grade or short lecture courses without academic credit.

Lecture-study courses in certain subjects forming fifteen or thirty lectures alternating with quiz or conference hours are given at Morningside Heights and at centres when requested.

Centres for the study of choral music are maintained at Morningside Heights, and Brooklyn, and choral concerts are offered during the year.

Registration

Students who expect to attend at Morningside Heights are required to register at the office of the Registrar, 201 East Hall, 116th Street and Amsterdam Avenue. A student in Extension Teaching registers for one half-year and is required to renew his registration in person at the beginning of the second half-year.

Matriculated students in the various schools of the University will be allowed to attend courses in Extension Teaching in accordance with the regulations of the several schools; they must, however, register and pay the fees in the same way as other students in Extension courses.

Fees

All students, matriculated or non-matriculated, admitted to Extension courses, must pay at the time of registration the fees determined by the Administrative Board. The fees for Extension courses are determined, as a rule, at the rate of $5 per point, *i. e.*, for one hour per week of classroom work, or two hours of laboratory or drawing-room work, through a

half-year. All new students must pay a registration fee of $5.00, which is payable but once in the University. Students taking six points each half-year have the privileges of the Library and, in the case of men, the University Gymnasium. The privilege of residence in the dormitories is limited in the case of Extension Teaching men students to those in good standing pursuing programs aggregating not less than ten points each half-year. Women students in Extension Teaching may reside in Whittier Hall under certain conditions determined by the amount of work taken.

Courses in Extension Teaching, approved by the Committees on Instruction in Columbia, Barnard and Teachers Colleges are credited for matriculated students toward the degrees of A.B. and B.S., toward the diplomas in Teachers College, and toward degrees in other professional schools in accordance with the regulations established by the various faculties.

Courses in Extension Teaching, approved by the Executive Committee of the University Council, will count toward the degree of Master of Arts.

Admission

No examination is required for admission to courses offered in Extension Teaching but students must satisfy the instructors concerned that they can pursue the courses with advantage. It is expected that prospective students in all collegiate and professional courses shall have had a full secondary school education. The courses are open, unless it is otherwise stated, both to men and women.

Location

Collegiate and professional courses will be given at Columbia University, 116th Street and Broadway; Mount Vernon, N. Y. (60 South Third Avenue); Stamford (High School); Bridgeport (Shelton School); Jersey City (William L. Dickinson High School); Paterson (Paterson High School); Passaic (Passaic High School); Trenton (School Administration Building); and wherever classes of sufficient numbers may be gathered.

For detailed information as to the places and hours for these courses, the qualifications for admission, the regulations for registration, candidacy for degrees, diplomas, attendance, and examinations, the fees prescribed, and for a statement of each course offered, see the current *Announcement of Extension Teaching*, which may be obtained without charge upon application to the Secretary of the University.

Institute of Arts and Sciences

The Institute of Arts and Sciences is a division of the Department of Extension Teaching. The aim of the Institute is to provide a popular late afternoon and evening program consisting of university extension lectures, addresses and other events of a cultural nature.

The program is planned for busy men and women. The scope includes single lectures and short series of lectures on history, literature, art, music, geography, science and on current economics and social problems; it com-

prises also illustrated travel lectures, recitals, dramatic readings and vocal and instrumental as well as chamber music concerts by first class artists.

The annual dues are $10 payable in advance with an enrollment fee of $5 payable only once provided the enrollment does not lapse.

A member of the Institute will be entitled to admission for himself and one other person to all the lectures and other events on the regular evening program, but in the afternoon only one person will be admitted on the ticket. The ticket will be transferable. Altogether the membership tickets will include admission to approximately 250 lectures, readings, recitals, etc., throughout the season. A member will be entitled also to reduced rates for reserved seats to the special or more costly events offered in addition to the regular events. The program will continue from October to April.

A special pamphlet describing in detail the program of the Institute will be mailed upon request.

TABLE OF AGGREGATE ATTENDANCE ON EXTENSION TEACHING COURSES

SUBJECTS	No. of Half-Year Courses			No. of Registration			Percentage of Total Enrollment
	Morningside	Extra-Mural Centers	Total	Morningside	Extra-Mural Centers	Total	
Accounting	11	..	11	229	....	229	3.0686
Agriculture	12	..	12	162	....	162	2.1708
Architecture	27	4	31	489	13	502	6.7268
Botany	7	..	7	29	....	29	0.3886
Chemistry	9	..	9	224	....	224	3.0016
Commerce	14	..	14	234	2	236	3.1624
Commercial Law	4	..	4	78	....	78	1.0452
Domestic Science	..	2	2	....	27	27	0.3618
Education	2	13	15	19	560	579	7.7586
Engineering	11	..	11	204	....	204	2.7336
English	51	19	70	1190	220	1410	18.8940
Finance	11	..	11	78	....	78	1.0452
Fine Arts	4	4	8	54	47	101	1.3534
French	23	8	31	438	54	492	6.5928
Geography	..	1	1	....	25	25	0.3350
Geology	4	..	4	23	....	23	0.3082
German	21	5	26	370	14	384	5.1456
Hebrew	2	..	2	6	....	6	0.0804
History	16	1	17	382	....	382	5.1188
Hygiene	..	1	1	....	11	11	0.1474
Italian	4	4	8	29	26	55	0.7370
Latin	10	2	12	114	6	120	1.6080
Library Economy	2	..	2	32	....	32	0.4288
Mathematics	16	4	20	258	11	269	3.6046
Mechanical Drawing	6	..	6	76	....	76	1.0184
Mechanics	8	..	8	130	....	130	1.7420
Music	2	1	3	23	16	39	0.5226
Philosophy	6	..	6	75	....	75	1.0050
Physical Education	6	..	6	33	....	33	0.4422
Physics	2	..	2	121	....	121	1.6214
Politics	4	1	56	5	....	56	0.7504
Practical Optics	18	..	18	394	....	394	5.2796
Psychology	9	2	11	157	27	184	2.4656
Social Correspondence	2	2	4	37	16	53	0.7102
Sociology	4	..	4	88	....	88	1.1792
Spanish	5	2	7	80	8	88	1.1792
Stenography	9	..	9	20 2	....	202	2.7068
Typewriting	9	..	9	158	....	158	2.1172
Zoölogy	2	..	2	89	....	89	1.1926
Total	353	76	429	6361	1083	7444	100.0000

DEGREES CONFERRED DURING 1913–1914

Degrees are conferred at the October and February meetings of the University Council and on Commencement Day

Columbia College

Bachelor of Arts: Hamilton Adler,† Ralph Bergen Allen, Frank Edward Barnes. Joseph Baron, Joseph Louis Baron, Moses Baturin, Raymond Caspar Bender, Irwin Maier Berliner, Louis Bernstein, James Madison Blackwell, Mitchell Eli Bokshetsky, Henry Brennecke, Joseph William Carroll (June, 1913); Bertram Harry Catzen, Joseph Deadrick Clark, John L. Class, Samuel Coleman Cohen,† John Harding Cowan, Albert Loyal Crane (June, 1913); Duane R. Dills, Lester Darling Egbert, Jacob Ferber, Francis Hunt Geer, Bernard Felix Gerson, Frank A. Gordon, Bernard Gotlieb, Horace Kirby Grafton, Richard Field Griffen, Arthur Herman Haaren, Cecil John Hall, Samuel Hayford, Cornelius Woolsey Hearn, Harry Buck Henderson, Jr.,† Henry S. Hendricks,† John Paul Henry, Leonard Starr Henry, William Hedenberg Herbert, Albert Crawford Herring, Louis Jabine, Erik Leonhard Jensen, Julius Kaplan,† Henry Kauffman,† Samuel Kaufman, D. Renwick Kerr,† Carlyle M. Keyes, Charles Merriam Knapp, Harvey Grey Knuth, Herbert Cowen Kottek, Isidor Russel Kuhn, Salvatore Francis La Corte, Garibaldi Laguardia,† with high honors in Latin and Romance Languages; Edward Lehman, Timothy Tingfang Lew, Milton Mordecai Lorentz,† James Dow McCallum, with honors in English Literature and German; John Kernan McCormick,* Donald Stuart McNulty, Jules Magnette, Jr., Virgil Sampson Mallory, George Wilson Matheson, Stewart Maurice,* Robert Watkinson Milbank, Jr., Clarence Frederick Milheiser,† Lloyd R. Morris,† Victor Francis Nekarda, Emanuel Neumann, Douglass Newman, Clinton Mindil Pang, with highest honors in English Literature and Philosophy; John Palmer Parsons,† William Alfred Patterson, Jacob Podell,* James Howard Purdy, Felix Metzger Rosenstock, Harry M. Rosenthal, Albert Cyril Rothwell, with honors in English Literature and History; Samuel Rubin, Otto Ernst Frederick Runge,* Milton Myron Samuel, Louis Henry Sandhusen, Frank Dunlap Shaw, 2d, Henry Simon, Anton Singer,* Ralph Kitchel Smith, Adelbert Fortunato Smithers, with honors in English Literature and French; Randolph Somerville, Peter Stam, Jr., Howard A. Straffin, Joseph John Tanzola, Kenneth Sterling Valentine, Ward Van Alstyne, Walter Broad Veazie, Michael C. Vessa, Jay Voorhies, Charles Harold Waterbury,* Herbert Theberath Weiskotten, William Lawrence West, Francis Raymond Whelan, James Lancelot Wilson, Edwin Hermann Zeydel, with highest honors in Greek, Latin and German; Emil Zvirin.

[97 + 2]

Bachelor of Science: Halsey J. Bago, Ernest Albert Barth, Fred Allen Beidelman, Alfred Lee Loomis Bell, Frank Booth, Leopold S. Brady, Benjamin Braverman, Harold Tice Brinckerhoff, Charles Allen Butler, Albert Woodworth Chase, Guy Arthur Cheney, W. De Witt Crampton, Jr., George Millard Dawson, Frank Wolf Demuth, Hudson W. Dresher,* William Emmerich, Herman A. Ernst, William Leopold Fichter, Henry Lape Fisher, Russell Hews Ford,* Charles Henry S. Friedrich, Louis Garry,† Henry Ewart Grimshaw,† Benjamin Grossbaum, Adolph Harvitt, Louis Hauben, Louis Irving Hochstein,†

*October, 1913. †February, 1914.

Bela Hubbard, David Lyon Jacobson, Alfred Anthony Johnson, Herbert Brightwell Johnson, Edwin Manuel Kelly,† Carlyle M. Keyes, Michael Mieczyslaw Konarski, John Kennedy Lasher, Jr., Arthur Lazarus, Joseph Leiner,† Joseph Lintz, Ambrose Joseph Edward Mandell, Mortimer May, George Gerard McElvare,* Harold James Miller, Lawrence Henry Nielson, Clare Edwin Nighman,* Benjamin Nussbaum, Fritz C. Nyland, James A. O'Neill,† Gustav Kvale Osterhus, with high honors in Economics and History; Conrad K. Osterman, Chester William Peterson, Francis Harloe Phipps, Samuel Morris Pike,† Steddiford Pitt, Robert E. Prétat, Jack L. Rappaport, Malcolm Fletcher Rogers, George Carlton Rohrs, Herbert Weed Ross,* Edward W. Sage, Jacob Schmuckler, Franz Schrader, Abraham Silverstein, Clarence Bruce Smith, Jr., Edgar Allen Burr Spencer, Frank Maurice Spitz, Walther Albert Stiefel, Samuel Sussman, Edward Marvin Underhill, Herbert I. Valentine, Maurice Pelham van Buren, George D. von Hofe, Jr.,† Walter Kenneth Watkins, G. Raymond Webb, Herbert Galbraith Wellington,* Walter Henry Westerfield, William Satterlee Wilson, Tom Shew Wye.

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Barnard College

Bachelor of Arts: Louise Elizabeth Adams, *cum laude,* Anna Maria Adikes, Marguerite Allen, Sophie Townsend Andrews, Bertha Rose Badanes, Mabel Evelyn Baldwin, Gladys Bateman, Minnie Baum, Elsa Gertrude Becker, Judith Semyra Bernstein, Winifred Dorothy Boegehold, Mary Frances Brew, Margaret Brittain, Virginia Irene Brittain, Rosalie Whitehead Brooks,† Kate Gertrude Brown, Anne Goodloe Browne, Sophie Ida Bulow, *cum laude,* Lucille Caroline Bunzl, Caroline Louise Burgevin, Margaret Isabel Carman, Julia Elsie Carroll,† Ethel Newton Cherry, Mildred Senior Clark, Marie Louise Clinch, Alice Van Dorn Clingen, Nancy Gillmore Coryell, Eunice Mallory Curtice, Jane Elizabeth Dale, Sarah Caroline Davis, Estelle De Young, *cum laude,* Helen Rupert Downes, Christina Dunnet,* Helen Elizabeth Dwyer, Marguerite Louise Emilia Engler, Jeannette Ferguson, Dorothy Margaret Fitch, Louise Herrick Fox, Frances Willard Gates, Gertrude Victoria Greenwald, Christina Grof, Ruth Estelle Guernsey, *cum laude,* Hannah Harris, Esther Ware Hawes, Beatrice Danzig Heinemann, *cum laude,* Rowena Hendricks,† Dorothy Fraser Herod, Edna Hess, Marion Alice Hoey, Florrie Holzwasser,† Laura MacLean Jeffrey, Wilhelmina Theodora Keith, Annie Elizabeth Kelley, Mary Elizabeth Kenny, Mary Helen Lawler, Emily Lowndes, Ella Vance McCrodden, Grace Marie McLaughlin, Helen Isabel McVickar, Elizabeth Irene Macauley, Daisy Agnew MacLean, Ruth Baldock Manser, Ruth Jackson Marley, Ruth Drummond Martin, Mabel Helen Mason,† Eleanor Theresa Mayer, Frances Alice Mills, Sidney Louise Miner, *cum laude,* Helen Emma Mount, Lulu Kalil Nicola, Iphigene Bertha Ochs, Alta Ashmead Ord, Sarah Fleming Ordway, Florence Palmer, Mabel Waldie Patterson, Margaret Peck, Harriet Winship Poore, *cum laude,* Gertrude Madeline Raff, *cum laude,* Isabel Fitz Randolph, Ethel Lee Rankin, Margaret Reid, Corinne Reinheimer, Florence Martha Rhoades, Luisa Ros, Juliette Clara Rosenthal, Mary Goldsborough Ross, Anna Elizabeth Rothenberg, Marguerite Louise Schorr, Jeannette Schulman, Fanny Schwartzman, Florence Schwarzwaelder, Gladys Editha Seldner, Clara Everett Shackleton, Angela Marie Shannon, Anna Esther Sherline, Helen Briggs Shipman, Hattie Rachel Sondheim, Gertrude Emily Stephens, Edith Eva Stirn, Sarah Elvina Delano Sturges, Ruth Whittier Talmage, Irene Paula Track, Marion Tully,† Jeannette Unger, Jeannette Van Raalte,† Amy Rose Vorhaus, Mary Elizabeth Walker,† Alice Page Nelson Waller, Lillian Susie Walton, Charlotte Adeline Wells, Olive Io Wells,† Edith Gardner Williams, Manon Catharine Yantis.

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* October, 1913 † February, 1914

Bachelor of Science: Marguerite Bevier, Caroline Austin Duror, *magna cum laude*, Isabel Greenburg, Mary Lee Mann, Edith Frances Mulhall,† Adelaide Owens, Lucie Anna Petri.

[7]

Bachelor of Laws: Thomas James Ahearn, Jr., A.B.;† William Daniel Ahearn, A.B., A.M.; Rayford Wardlaw Alley, A.B.; Forrest Milton Anderson, B.S.; Charles Angulo, A.B.; Everett Loran Ball Litt.B.;† James Lenox Banks, Jr., Ray Foster Barnum, A.B.;† Louis Le Garde Battey, A.B.; Harold Baxter, E.M.; Benjamin Bernstein, A.B.; David Ray Bernstein, B.S., A.M.; Wifredo Bertrán; Arthur Bearns Brenner, A.B.; George Bruce Brooks, A.B.; Harry H. Brown, A.B.; Joseph Everingham Brown, A.B.; Harold Sydney Budner, A.B.; Harold Augustin Calahan, A.B.; Roy E. Calhoun, A.B.;† Samuel Nathaniel Caplow, B.S.; Kenneth Francis Clark, A.B.; Watt Willis Clinch, B.L.; Alan Husted Colcord, A.B.;† Hilary Earl Corwin, B.S.; Francis Dean Schnacke Davis, A.B., A.M.; Bennett De Beixedon, A.B.; Frank William DeFriece, A.B., A.M.; Maitland Dwight, A.B., A.M.; Robert Dull Elder, A.B., A.M.; De Coursey Fales, A.B.; James A. Farnsworth, A.B.;* Martin Joseph Fay, B.S.; James A. Fee, Jr., A.B.; Elias Feinsod, B.S.; Avelino Vicente Ferreira, A.B.;* Thomas Bond Foulk, B.S.; Benson Ralph Frost, A.B.; Austin Lee George, A.B., A.M.; Samuel Ralph Gerstein, B.S.; George Gustav Goetz, A.B.; Fisher Goodhue, A.B.; Henry Twitchel Hall, A.B.; Harold Harris Healy, A.B.; William L. Herrlich, B.S.; Morse Sable Hirsch, A.B., A.M.; Richard Junius Mendenhall Hobbs, A.B.; Carl C. Hoyt, A.B.; Orrin Castle Isbell, A.B.; Samuel L. Jackson, A.B.; Henri Casimir Jacques, A.B.; Ralph Herbert Jewell, A.B.; Thomas Bronson Jewell, Jr., A.B.; Joseph Leonard Johnson, A.B.; Joe Arje Kaufman, A.B.; Edwin Le Roy Keen, Ph.B., A.M.; Stephen Girard Kent, A.B.; Theodore Stanwood Kenyon, A.B.; Austin Campbell Keough, A.B.; Herbert Homer Klein, B.S.; Samuel Kramer, A.B.; Irving Kunzman, B.S.; William B. Landis, Ph.B.;† Paul Edward Lavery; Samuel Joshua Levinson, A.B.; Morris Levy, A.B.; Read Lewis, A.B.; Adelbert Hole Lindley, Ph.B.; Robert R. Livingston, Litt.B.; Sidney M. Louis, A.B., A.M.; Russell Edwards Lupton, A.B.; John McKinnon, B.S.; Richard Joseph Mackey, A.B.; William De Forest Manice, A.B.; Alexander Drummond Marks, A.B.; Andrew Penn Martin, A.B.; Leonard Jerome Matteson, A.B., A.M.; Charles J. W. Meisel, A.B., A.M.; Charles Harrison Meyer, A.B., A.M.; Herbert Kay Minsky, A.B.; Russell De Witt Morrill, A.B.; Robert H. Morrison, A.B.; Henry Harold Nordlinger, A.B.; D. Charles O'Brien, A.B.; David Maurice Palley, A.B.; Elwell Palmer, Ph.B.; Charles Pearle, A.B.; Richard Henry Phillips, A.B.; Benjamin Philson, B.S.; Alfred Leigh Pitts, B.S.; Fitz John Porter, A.B.; Richard R. B. Powell, A.B.; Warner Charles Pyne, B.S., A.M.; Stephen K. Rapp, A.B.; Lorenz Reich, Jr., A.B.; William Remsen, A.B.; W. Carl Richards, A.B.; Guy Hughes Riegel, A.B.; Benjamin Rothenberg, A.B.; Robert Child Ryder, A.B., A.M.; Sumner Lawrence Samuels, A.B.; William Vogel Saxe, A.B.; Frank Isaac Schechter, A.B.; Solomon Selig, B.S.; Eustace Seligman, A.B.; Joseph Walter Shands, A.B.; William Ernest Shrewsbury, A.B.; William Stanley Siemon, A.B.; Robert Phillip Silverstein, A.B.;† Lemuel Skidmore, Jr., A.B.; Alexander Slater, A.B., A.M.; George Noyes Slayton, A.B.; Augustus Carll Smith, Jr., A.B.; David Earl Snyder, A.B.; Mordecai P. Springer, B.S.;* Kearney Krogh Steffensen, A.B., A.M.;† John Raymond Stratton, A.B.; David Whiton Swain, A.B.; Clinton Combes Swan, A.B.; Charles Edward Thomson, M.D.; Lewis Kelmond Thurlow, Jr., A.B.; Louis Tishman, B.S.; Rufus James Trimble, A.B.; Robert B. Troutman, A.B.; Edward Bancroft Twombly, A.B.; Heiby W. Ungerer, A.B.; William Roy Vallance, A.B.; Thomas Henderson Watson, Jr., A.B., A.M.;† Hans Adam von Wedell;* Walter M. Weis, A.B., A.M.; Clarence Ralph White, Ph.B.; Charles

Law

* October, 1913 † February, 1914

Bunnell Willard, A.B.; James C. Willingham, A.B., A.M.;† John Aloysius Willo, A.B.; Clinton D. Winant, Litt.B.; Fred Robert Wolfers, A.B.; James Atwood Yates, David Henry Yonteff, B.S.; John Wallace Young, A.B.; Richard Whitehead Young, Jr., A.B.†

[140]

Medicine **Doctor of Medicine:** George Nicholas Acker, Jr., B.S.; Herbert Adler, Harry Louis Alexander, A.B.; Maurice Blocher Bender, B.S.; Arthur Wight Benson, A.B.; Ernst Philip Boas, B.S., A.M.; William Hallock Braddock, A.B.; Howard Spencer Brasted, A.B., A.M.; Isidor Cherniac Brill, A.B.; James Harvey Brothers, Jr.; Robert Burlingham, A.B.; Lyndon Bulkley Cady, A.B.; Guy Alvin Caldwell, B.S.; George Worthington Covey, B.S.; Harold Post Denniston;* Paul Albinus Dineen, A.B.; Charles York Douglass, A.B.; William Bruno Ebeling, B.S.; Bryant Benjamin Edwards, B.S.; Louis Maxime Eichhorn, B.S.; Harold Herman Freund; Clinton Chollet Furniss; Cortland Kiernan Hand; Fred Rudy Hutchison, B.S.; Robert Steele Irvine, B.S.; John Loring Johnson, A.B.; Ira I. Kaplan, B.S.; Elihu Katz, A.B.; James Hoyt Kerley, A.B.; Jacob Samuel Kominz, B.S.; Moses Hyman Krakow; Alvin Edgar Kuhlmann, Ph.C.; Joseph Aaron Landy, A.B.; Henry Maxwell Larson, Jr., A.B.; Wilfred Otto Louis Lellmann; David Arthur Lubarsky; Hyrum Leo Marshall, A.B.; Earl Duwain McBride, B.S.; Daniel Francis McCann, Jr., A.B.; Francis Augustine McGreen; Laurie Mason Moody;* Robert Booth Moore; Whitelaw Reid Morrison, A.M.; David Morris Natanson, B.S.; Frank Lee Niles, B.S.; Royce Paddock, A.B.; Conde de Sales Pallen, A.B.; William Barclay Parsons, Jr., A.B.; Gregory Constantine Passover; Andrew Peters, Jr., B.S.; Herman Byrol Philips; Frank Kenneth Pomeroy, A.B.; Randolph Raynolds, A.B.; Rupert Reed Rogers, A.B.; Milton Benjamin Rosenblüth, A.B.; William Rosenson, B.S.; Otto Ernst Runge, A.B.; Frank Dyckman Scudder, A.B.; Robert Emmet Seibels, B.S.; Jacob Shulansky, Ph.B.; Donald Bunker Sinclair, A.B.; William P. Smale, Jr., A.B.; Thayer Adams Smith, A.B.; Armin von St. George, Ph.C.; Timothy Francis Xavier Sullivan, A.B.; Norman Edwin Titus, Ph.B.; Herbert Noble Vermilye, A.B.; Gregori Ossipovich Volovic; Adolph Abraham Weiss, A.B.; James Frederick Young;* Ralph Howard Young, A.B.

[71]

Science **Engineer of Mines:** Theodore Harvey Barrett; Henry Edgar Bird, Jr.; Charles Melville Brister, Jr., B.S.; Donald George Campbell, B.S., A.M.; Cyril Tibbits Carney, B.S.; Kai-Chi Chow;† Johannes Cornelissen; Walter Victor Fox; James Nelson Burnes Gatch, B.S.;† Richard Palmer Grieve; William Ranald Grunow, B.S.; Donald Chester Hoyt, A.B.; John B. Kurz; Robert Lunn, Jr.;* Charles J. Mampel; Clarence Edward Meissner; James Sherwood Miller; George Graham McLochlin;* Dudley Martin Moore;† Shankar Govind Naravane;† Ned Eugene Nelson, B.S.C.E.;† William Mitchill Norris, A.B.;† Herbert George Officer; George Schroter Patterson; John William Pulleyn, A.B.; Walter Franklin Pyne;* Henry S. Rade, A.B.; Charles Richter; †Milton Samuel Salsbury; William Charles Schmidt, Jr.;† George Walter Schurman; Janshi Tsoo En Sen, B.S.; Gustave William Steffen; Edward Albert Suverkrop, Jr.;* Henry Tackmann;* Norman Brewer Ward; Edward Ingham Williams; Siegfried Herman Zimmer.

[38]

Metallurgical Engineer: William Wallace Colquhoun; Henry Eastman Morse B.S.E.M.; Adrian Valentine O'Donnell;* George Leslie Oldright, B.S.; Chester Benjamin Sadtler; Roy Udell Wood; Selim E. Woodworth; William A. Wong E.M.

[8]

* October, 1913 † February, 1914

Civil Engineer: Lewis Braverman; James Clarke Cassidy; Isaac T. Cohen, B.S.; Wilcox Asten Creamer; Robert LeFevre Fairbairn, A.B.;† William Friedman; Henry Curt Furstenwalde, A.B.; John Lyle Greacen;† Herbert Gretsch; William Westerfield Havens; Juan Alberto Hernandez;* William Kaufman; Max Henry Korn;* William John Krefeld; Aron Lapidus; Louis Lichtenstein; Montgomery Maze; Victor Nacht; George Nositzer; William Christopher Ohlssen; Francis Joseph Radigan;* Alfred Renshaw; Richard Blevin Roberts, Jr.; Ernest Bewley Slade; Jay Lee Smith;* H. Chester Stevens; Carlos Nicolás Todd.*

[27]

Electrical Engineer: Francis Cutter Cobb; Henry Wolfgang Elsasser, B.S.; Sydney Fisher; Joseph Turner Foster; Clement John Koukol; Frank Kerchmans Mullen, B.E.; Albrecht Charles Nolte; Herman S. Saalberg.

[8]

Mechanical Engineer: B. Franklin Conner, Jr.;* Herbert William Evans;* F. Saltus Gardner, Jr.; Robert William Harris; William John Harvey; Paul Jacobs Holtzman; Eugene Albert Jareckie; Thomas Spencer Lathrop; Arthur Emmanuel Petersen; René Pierre Piperoux; Francis Bertram Schmidt; John Henry Sengstaken; James Alexander Stewart; Adolph Gustave Syska.*

[14]

Chemical Engineer: Joseph Joel Alexander, B.S.; Oscar Byron; Yen-Shou Chun; Mortimer Joseph Cohen; Joseph Claudius Dittmer; Samuel Drucker; Victor Gershon; George Isidore Harrison; Kenneth Hall Kiefer; Julius Kirschstein; Everett Solomon Landman; Francis Macdonald; Henry Hayman Mandle; Henry James Masson; Robert Guy O'Kane; William Dornedden Spalthoff; Jerome David Stein; Dwight Tenney.

[18]

Chemist: Jacob Ehrlich; Clarence Peavy Harris; Louis Siegler.

[3]

Bachelor of Architecture: George Marcus Allen, B.S.; George Charles Buchtenkirch, B.S.; Lewis Augustus Coffin, Jr., A.B.; Harold Goldman; Talbot Faulkner Hamlin, A.B.; Arthur Sturges Hildebrand, A.B.;† Henry Powell Hopkins; Otto Rudolph Koechl;* Tomás Carlos León; Kenneth Berlkey Norton; Paul Schulz. B.S.; Philip Trammell Shutze;* Robert F. Smallwood;* Richard Haviland Smythe; James Perry Wilson, A.B.; Robert G. Zetsche;* Harold Pindar Zoller, B.S.

[17]

Bachelor of Science in Architecture: Clinton Hall.

[1]

Certificate of Proficiency: William Chalmers Agnew, Jr.; Byron Bennett Boyd, A.B., A.M.; William Henry Davis; Mortimer Edgar Freehof; Leonard Joseph; Lester Storms La Pierre; Frank Latenser; Frank Biagio Montanaro; Edwin Avery Park; Stuart Paterson; Louis Henry Herman Schene; Hugo von Schwanenfluegel;* Addison F. Worthington.

[13]

Bachelor of Literature in Journalism: Oren Bronson Batchelor; Thomas Gilbert Brown, A.B.; Clarence Bland Edwards; James Englander, A.B.; Harold Andas Knight, A.B.; John Irby Koon, A.B.; William Stewart Lahey, A.B.; Burnett Olcott McAnney; Lester Markel; C. Claudia Moritz; Grace Arlington Owen, A.M.; Theodore Niver Pockman, A.B.; Edward Merriam Powell, A.B.; Stanley Solomon Sheip, A.B.; Frederick Franklyn Van de Water, Jr. **Journalism**

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* October, 1913 † February, 1914

Education **Bachelor of Science in Education:** Effie Alexander; Marion Elizabeth Allen; Amy Allison; Bessie Ely Amerman; Martha Ward Armstrong; Clara Elizabeth Babcock;* Edith Baer;* Lucy Catherine Bailey; Jean Sutton Barrick; Anna Maria Barringer; Jessie Amelia Beach; Sadie Marion Becker; Mary Gertrude Beggs;† Mildred Bennett; Elizabeth Fidelia Bidwell; Harry Birnbaum; Elizabeth Blodgett; Hazel May Bond;* Gertrude Evangeline Bonner; Louise Emily Bonney;* May Innes Bouton; Muriel Amanda Bowden; George Louis Bradlee; Marie Menzie Bradley;† Florence Norton Brown; Frances Anna Bryan; Mildred Claibourne Buchanan; Godfrey Buehrer; Frances Margarita Buell; Irene Mary Burtenshaw; Susan Marion Cagwin; Winifred Maud Carpenter; Ivanilla Caskin;† Myrtle Viola Caudell; Genevieve Caulfield; Ula Monnetta Chalmers; Anna Mansfield Clark; Maynard Arthur Clemens;* Lois Cody;* Mary Merrow Cook; Margaret Montague Cook;† Edna Davies Coryell (Mrs.); Millicent May Coss; Leonora Cox; Genevieve Lenore Coy;* Myrtle Crane; Katherine Taylor Cranor; Ione Crenshaw; Genevieve Crissey; Madeline Darrough; Josephine Kingsley Dawley;† Olive Susanna DeLuce; Mabel Corinne DeZeller; Rhoda Ellen Dick; Lucy Dickson; Helen Elizabeth Diller; Dorothy Douglas; Warren Nevin Drum; Gertrude Olive Lorraine Dustin; Ruth Eddy; Ruth Edgerton; Faith Edwards;* Charlotte Margaret Eggers; Lucy Cable Elliott; Ada Beatrice Erwin; Blodwen Amelia Evans; Marguerita Alice Evans; Opal Fansher; William Ray Fenton; Irving William Fern;† Ada Brownwell Finley; Mary Edna Flegal; Anna Stewart Fox; Mary Simmons Francis;* Helen Whiting Freeman;† Edith Emily Frost; Stella O. Gardner; Mary Amelia Geiss;* Abraham Arthur Giden;† Gertrude Ingalls Gifford; Katharine Holbrook Gilbert; Lucy Holcomb Gillett;† Francis Katherine Gilliland;† Cecyl Bartlett Goodman; Elsie Selene Greathead; Edna Raymond Green; Elizabeth May Green; Dorothy Greenwood;* Jeane Griffith; Anna Olena Halgrim;* Isabella Charlotte Halgrim;* William Frederick Halloran; Jessie Alice Harbison; Clara Belle Harris;* Gertrude Trumbull Harris; Alice Hawksley; Fanny Helfman; Margery Lilly Herman;* Marguerite Newton Hewitt; Mary A. Hewson;* Marie Edna Holloway; Rouble Ferol Holman; Harriet Julia Hopkins; Annie Elizabeth Howard; Susie Adams Huff; Willis Nathaniel Huggins; Elizabeth Lee Hungerford; Emma Rebecca Hunt; Myra Evelyn Hunt; Blanche Evelyn Hyde; Lora Dolores Jahn;† Marjorie Dwight Jellerson; Helen Merreweather Jenkins; Caroline Curtiss Johnson; Esther Heine Jonas; Mildred Deering Julian; Edythe Grace Kelly; Mary Kennedy; Florence Louise Kenway; Harvey Hezekiah Kenyon; Leona Minnie Ker;* Ethel J. Keys;* Anna Barbara Kiermeier; Sidney Kranz; Mary E. Landreth; Elizabeth M. Laning;* Sophia Bird Larson; Harold Smith Lasell;* Bettie Lauterbach;† Edwin Augustus Lee; Bessie Chambers Leftwich; Ottilie LeRoi; Lionel F. Liebschutz;† Mary Lyle Longnecker;* Natalie Luccock; Emma Aurore Lundell;† Florence Lyman; Sarah Anna Lyons;† Ella Greene McClure; Jane Rutledge McCormack; Annie Margaret McCowen; Florence Marie McCully;* Lucy Shepard MacDowell; Grace Adelle McGuire; Frances Cole McLester; Sarah Isabel Mackay;† Zeta Cook Mayhew (Mrs.); Mary Elizabeth Mead; Maria Pereira Mendes; Iva Eleanor Meston; Martha Lois Metcalf; Louie Miner; Edith Elizabeth Montgomery; Presley Floyd Moore; Alexander Morris; Albert Thomas Morrow; Harvey Morgan-Morrow;† Grace E. Morse; Louise Beach Moss; Marjorie Murphy; William Anthony Murphy; Elizabeth Northrup; Louise Northwood; May Heath Noyes; Freida Carolyn Nuese; Eleanor Osborn;† Mabel Marion Osgood;* Edith Griffith Osmond; Fannie Bell Ostrom; Olive Park; Mary Maud Patrick; Wertha Pendleton; James Troy Peterkin; Mary Elizabeth Pillsbury; Alice Brooks Plumb; Margaret Akerman Pratt; Katharine Aquith Pritchett;* Susie Eastin Purvis;* Chissay Rabinowitz; Lily Bell Rhodes; Marguerite Davis Ribble; Mary Elizabeth Rich; Robert

* October, 1913 † February, 1914

Henry Rodgers; Harriet Estelle Roe;* Modesta Florence Rosendorf; Alice Ross; Ruth Frances Rossiter; Katherine Stanton Rutledge; Kevork Avedis Sarafian;† Clara Marie Sayles; Max Henry Scheinbach;† Josephine Schiffer; Katharine Hardindorf Schoonover; Ernest E. H. Scott; Elizabeth D. Seldin;† Kate Sharrard;† Elizabeth Padgett Sheppard; Genevieve Sherer; Emilia Frances Sinopoli;* Edna Marian Smeaton; Mary Alice Smeeton; Ethel Lewis Smith; Frederick Joseph Smith; Jane Adah Smith; Meredith Smith;† Marion Spaulding; Harry Sperling; Dora Rosenberg Spiegel; Wilhelmina Spohr; Esther Louise Sprague; Ione Shaw Springer;* Elizabeth Remmey Starkweather; John Langdon Stenquist; Anna Cowan Strong; Lida Lee Tall;† Ethel Elizabeth Taylor; Clara Louise Tisdale; Marguerite Tucker;* Marion LaVerne Tucker; Helen Foster Upton; Edna Adams Vail; Luella D. VanDusen; Marguerite E. vanDuyn; Anita Estelle Van Vliet;† Ray Virginia Van Vort;† Alice Catherine Vevia; Martha C. L. vonVoigtländer; Edna Elliott Walls; Grace Harding Waterous; Florence Van Auken Watkins;† Bertha Elaine Weed; Abraham Albert Weinstein; Jeannette Dorothy Weinstein; Susan Freeman West; Margaret Whiteford;† Elizabeth Mary Whittaker (Mrs.); Gladys MacClurie White;† Theodora Marie Wiener; Ada Anne Williams;* Hazel Mae Willis; Mildred Morris Willyoung;* Marie Lena Windus; Emma Annie Winslow;† Marie Roberta Wooley.

[183]

Bachelor of Science in Practical Arts: Alice Caroline Boughton; Florence Victoria Innis; Elizabeth Mann; Helen Clark Perry; Sarah Dean Towl.

[5]

Diploma in Education, Awarded in Connection with the Degree of Doctor of Philosophy: Manuel Barranco; William Thomas Bawden; Thomas Henry Briggs;† Augusta Fox Bronner; James Crosby Chapman; Percy Erwin Davidson; Charles Herbert Elliott; William Harry Heck; Anna Charlotte Hedges; Ernest Horn; Frederick James Kelly; Ping Wen Kuo; William Fletcher Russell.

[13]

Diploma in Education: *Awarded in Connection with the Degree of Master of Arts:* Elizabeth Ruth Albers;* Daniel Maxwell Alperin; Lula Ocillee Andrews; Winfield Dockery Armentrout; Edna Irene Avery; Clara Elizabeth Babcock; Blanche Elizabeth Baker; George Marshall Baker; Grace Elizabeth Barber; Myrth Emma Bartlett; Jesse Hoyte Baxter; Hilda Beale; Francisco Benitez; George Lionel Bennett;* Isaac Baer Berkson; Gerda Bidstrup; Anne Dudley Blitz; Edward William Boshart; Ethel Charlotte Bratton; Barnett Brickner; Amy Bronsky; Lillian Olive Brown; Daniel Bunyan Bryan; William Wallace Bullock; Reuben Wesley Burnham;† Carrie Butz; Frances Catherine Cashman; Mary Augusta Clark; Grace Hazel Cochran;† Jane Abigail Cochrane; Bertha Cohen; James Francis Connolly;† George Elliott Cooley; Hazel Lucile Davies;† Bessie Margaret Davidson; Arthur C. Deamer;* Emma Denton; Julia Deutsch;† John J. Didcoct; Homer Ferdinand Dilworth;* Mary Doherty; Hudson Wylie Dresher; Werter Clarkson Dyer; Sheridan Williams Ehrman; Edwin Gustaf Eklund; John Morton Espey; Jeannette Ezekiels; Clark Thompson Falknor; Kate Field;* François de la Fontainerie;* Jessie Louise Forde; George Redman Gardner;* Lucy Matilda Gardner;* Samuel Brown Morrison Ghiselin; Terence Ward Gilbert; Alice Gitterman;† Howard Foster Goodrich;† Greta Gray; William Scott Gray; Delbert Eugene Hall;* Helen Magdalene Hahn; Evalina Harrington; William Floyd Harris;* Ruth Columbia Hartlieb; Louise Eugene Harvey;† Philip S. Hasty; Lewis A. Herdle;* Royal Sheffler Howlett;* William Jansen;* Frank A. Jensen;* Irene Grace Johnson; Zebulon

Judd; Ralph Welles Keeler; Charles Scull Keen; Jacob Kelder; Clara Hope Kidney; Eda Laura King; Charles Louis Klein; Marguerite Knox; Bettie Lauterbach; Augustus Scott Lee; Robert Josselyn Leonard; Li Sung-Tao; Raymond V. Long; George Andrew Loughran;* Jessie Latto Lowson; Ethel Luccock; John Lund; Forrest Sumner Lunt; Thomas Knox McClelland;* John Peter McCoy; Blanche McDill;* Edwin E. McLaughlin;* Jean Armour MacKay; George Archie Manning; Bert Emery Merriam; Lewis Sprague Mills;* Countess Anne Mitchum; Geoffrey Francis Morgan; Mary Florence Morris; Isabel Howard Neff;* Samuel J. Neterer; Roberta Newell; Robert Miles Northup;* Joshua Zautsing Nyi; Charlotte Elizabeth O'Brien; Joseph Barnet Orliansky; John William Osborn; James Robert Overman; Donald Taylor Page;† Junia Helen Phillips (Mrs.); Jessie Alexander Powell; Fannie Jane Ragland; Mildred Ralph; Ora Anson Rawlins;† Mildred Emma Reeve; Frieda Rose Reynolds; Charlotte Richardson; John Lawrence Riley; Ethel Minerva Roach; Helen Dorothea Romer; Ethel Ronzone; Jacques Charles Rosenblum; William Samuel Sachs; George Henry Schoettle; Anna Luella Seager;* Alice Sealy; Damon H. Sellers; Francis Eugene Seymour;* Robert Herbert Shanks; Albert Bradley Sheldon; Benjamin Franklin Shively; Delmar Francis Sisson; Sarah Jane Smith; Harold Eugene Speece; Robert Vaughan Spencer; Margaret Beaumont Stanton; Ruth A. Stark; Wellington D'Forte Sterling; Thomas Bayard Stewart; Guy Cadwallader Stockton; F. Theodore Struck; Lavinia Tallman; Alice Lillian Thomas; Andrew Ansley Thompson; William Charles Thompson; Willard F. Tidyman; Arturo Torres;† Marion Rex Trabue; Arthur L. Trester;* Siegfried Maia Hansen Upton;† Grace Harriet Utley;† Benjamin Henry Van Oot; William Ledley Vosburgh;* Frank Perley Wagg; William Alfred Walls;* John Joseph Walsh; Cornelius Jacob Walter;* Helen Marie Weinland; Howard Dare White; Lura Irene Whitney; Burtis Erwin Whittaker; Raleigh Weintroe;† Mary Gertrude Wilford; Homer B. Williams; S. Horace Williams;* Alfred Robinson Winter;* Kai Ming Wong; James Franklin Wood;* Edgar Wood; Edna Louise Yates; Anna Irwin Young; Granville Allen Young;† Carl William Ziegler†.

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Diploma in Education: *Awarded in Connection with the Degree of Bachelor of Science: Biology*—Marion Elizabeth Allen; Margaret Brittain; Margery Lilly Herman;* Frances Alice Mills; Elizabeth Padgett Sheppard; Jeannette Dorothy Weinstein.

Educational Psychology—Genevieve Lenore Coy.*

Elementary Education—Minnie Baum; Olive Susanna DeLuce; Gertrude Trumbull Harris; Annie Margaret McCowen; Eleanor Osborn;† Marguerite Davis Ribble; Ethel Lewis Smith; Jane Adah Smith; Lida Lee Tall.†

Elementary Supervision—Effie Alexander; Clara Elizabeth Babcock;* Elizabeth Blodgett; Warren Nevin Drum; Mary Amelia Geiss;* Elsie Selene Greathead; Clara Belle Harris;* Sarah Anna Lyons;† Iva Eleanor Meston; Mary Maud Patrick; Ruth Frances Rossiter; Ernest E. H. Scott; Kate Sharrard;† Esther L. Sprague; Ione Shaw Springer;* Bertha Elaine Weed.

English—Lucy Catherine Bailey; Harry Birnbaum; Hazel May Bond;* Louise Emily Bonney;* George Louis Bradlee; Frances Margarita Buell; Margaret Isabel Carman; Genevieve M. Caulfield; Ula Monnetta Chalmers; Ethel Newton Cherry; Maynard Arthur Clemens;* Genevieve Crissey; Lucy Dickson; Helen Elizabeth Diller; Helen Elizabeth Dwyer; Stella O. Gardner; Frances W. Gates; Edna Raymond Green; Mary A. Hewson;* Erik Leonhard Jensen; Alfred A. Johnson; Leona Minnie Ker;* Elizabeth M. Laning;* Frances Cole McLester; Sarah Isabel Mackay;† Zeta Cook Mayhew (Mrs.); Louie Miner; Mary Maud Patrick; Susie Eastin Purvis;* Randolph Somerville; Dora Rosen-

* October, 1913 † February, 1914

BERG SPIEGEL; ANITA ESTELLE VAN VLIET;† RAY VIRGINIA VAN NORT;† GRACE HARDING WATEROUS.

Fine Arts—ANNA MARIA BARRINGER; IONE CRENSHAW; OLIVE SUSANNA DELUCE; RUTH EDDY; FAITH EDWARDS;* MARY EDNA FLEGAL; JESSIE ALICE HARBISON; GRACE E. MORSE; MARJORIE MURPHY; FANNIE BELL OSTROM; JAMES TROY PETERKIN; HELEN FOSTER UPTON; ALICE CATHERINE VEVIA; HAZEL MAE WILLIS.

French—EMMA REBECCA HUNT; EDYTHE GRACE KELLY; EMMA AURORE LUNDELL;† KEVORK AVEDIS SARAFIAN.†

Geography—ELIZABETH NORTHRUP; MARIE LENA WINDUS.

German—SOPHIE TOWNSEND ANDREWS; CAROLINE LOUISE BURGEVIN; MARY MERROW COOK; IRVING WILLIAM FERN;† WILLIAM LEOPOLD FICHTER; CHRISTINA GROF; MARION ALICE HOEY; ANNA BARBARA KIERMEIER; BETTIE LAUTERBACH;† GRACE MARIE MCLAUGHLIN; MODESTA FLORENCE ROSENDORF; ALICE ROSS; MARION C. L. VON VOIGTLÄNDER.

Grammar Grade Teaching—HARVEY MORGAN MORROW.†

History—LOUIS BERNSTEIN; LOIS CODY;* JOSEPHINE KINGSLEY DAWLEY;† ABRAHAM ARTHUR GIDEN;† FANNY HELFMAN; MARY KENNEDY; ETHEL J. KEYS;* OTTILIE LERO; WERTHA PENDLETON; MAX HENRY SCHEINBACH;† HENRY SIMON; EDNA ADAMS VAIL; MARIE LENA WINDUS.

Household Arts—MARTHA WARD ARMSTRONG; EDITH BAER;* JEAN SUTTON BARRICK; MILDRED BENNETT; ELIZABETH FIDELIA BIDWELL; MAY INNES BOUTON; MARIE MENZIE BRADLEY;† SUSAN MARION CAGWIN; WINIFRED MAUD CARPENTER; IVANILLA CASKIN;† MYRTLE VIOLA CAUDELL; MIRIAM STORRS COE; EDNA D. CORYELL (MRS.); MILLICENT M. COSS; RHODA ELLEN DICK; DOROTHY DOUGLAS; GERTRUDE OLIVE LORRAINE DUSTIN; CHARLOTTE MARGARET EGGERS; ADA BEATRICE ERWIN; BLODWEN AMELIA EVANS; MARGUERITA ALICE EVANS; MARY SIMMONS FRANCIS;* FRANCES KATHERINE GILLILAND;† ELIZABETH MAY GREEN; DOROTHY GREENWOOD;* JEANE GRIFFITH; ANNA OLENA HALGRIM;* ISABELLE CHARLOTTE HALGRIM;* MARGUERITE NEWTON HEWITT; HARRIET JULIA HOPKINS; SUSIE ADAMS HUFF; ELIZABETH LEE HUNGERFORD; MYRA EVELYN HUNT; FLORENCE LOUISE KENWAY; MARY E. LANDRETH; LUCY SHEPARD MAC DOWELL; GRACE ADELLE MCGUIRE; MARY ELIZABETH MEAD; FREIDA CAROLYN NUESE; MARY ELIZABETH PILLSBURY; ALICE BROOKS PLUMB; MARGARET AKERMAN PRATT; KATHARINE AQUITH PRITCHETT;* KATHERINE STANTON RUTLEDGE; CLARA MARIE SAYLES; KATHARINE HARDINDORF SCHOONOVER; EDNA MARIAN SMEATON; MARION SPAULDING; WILHELMINA SPOHR; ETHEL ELIZABETH TAYLOR; DE ROSETTE THOMAS; CLARA LOUISE TISDALE; MARION LA VERNE TUCKER; MARGUERITE TUCKER;* EDNA ELLIOTT WALLS; SUSAN FREEMAN WEST; ELIZABETH M. WHITTAKER (MRS.); THEODORA M. WIENER; MILDRED MORRIS WILLYOUNG.*

Industrial Arts—SADIE MARION BECKER; LUCY CABLE ELLIOTT; WILLIAM RAY FENTON; ADA BROWNELL FINLEY; WILLIAM FREDERICK HALLORAN; ANNIE ELIZABETH HOWARD; WILLIS NATHANIEL HUGGINS; EDWIN A. LEE; MARIA PEREIRA MENDES; PRESLEY FLOYD MOORE; ALEXANDER MORRIS; WILLIAM ANTHONY MURPHY; FREDERICK JOSEPH SMITH; JOHN LANGDON STENQUIST; ABRAHAM ALBERT WEINSTEIN.

Supervision of Industrial Arts—ROBERT HENRY RODGERS.

Kindergarten Supervision—MADELINE DARROUGH; GERTRUDE INGALLS GIFFORD; MILDRED JULIAN; MAY HEATH NOYES; MABEL MARION OSGOOD;* GENEVIEVE SHERER.

Kindergarten Teaching—ELIZABETH REMMEY STARKWEATHER; ANNA COWAN STRONG; MARIE ROBERTA WOOLEY.

Latin—FRANCES ANNA BRYAN; LEONORA COX; OPAL FANSHER; MARIE EDNA HOLLOWAY; ERIK LEONHARD JENSEN; EMILY LOWNDES; EMILIA FRANCES SINOPOLI;* ADA HUME WILLIAMS.*

Mathematics—JESSIE AMELIA BEACH; MURIEL AMANDA BOWDEN; VIRGINIA IRENE BRITTAIN; FLORENCE NORTON BROWN; MYRTLE CRANE; MABEL CORINNE DEZELLER; CHARLES HENRY SIEBERT FRIEDRICH; STELLA O. GARDNER; LORA DOLORES JAHN;†

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Annie Elizabeth Kelley; Harvey Hezekiah Kenyon; Harold Smith Lasell;* Albert Thomas Morrow; Louise Northwood; Benjamin Nussbaum; Chissay Rabinowitz; Edith Eva Stirn; Luelle D. Van Dusen.

Music—Godfrey Charles Buehrer; Rouble Ferol Holman; Mary Lyle Longnecker.*

Nursing and Health—Amy Allison; Bessie Ely Amerman; Mary Alice Smeeton.

Nutrition—Lucy Holcomb Gillett.†

Physical Education—Ruth Edgerton; Anna Stewart Fox; Alice Hawksley; Marjorie Dwight Jellerson; Helen Merreweather Jenkins; Caroline Curtiss Johnson; Sidney Kranz; Sophia Bird Larson; Florence Lyman; Edith Elizabeth Montgomery; Edith Griffith Osmond; Olive Park; Harry Sperling; Marguerite E. vanDuyn; Helen Ethel Wicks.*

Physical Science—Gertrude Evangeline Bonner; Irene Mary Burtenshaw; Charles Henry Siebert Friedrick; Annie Elizabeth Kelley; Lionel F. Liebschutz.†

Primary Supervision—Natalie Luccock; May Heath Noyes; Genevieve Sherer. [253]

Pharmacy **Pharmaceutical Chemist:** Edwin B. Ackerman, Ph.G.;* Jose Evernor Argüello, Ph.G.; Frank Berner, Ph.G.; Harold T. Brotherton, Ph.G.; Alfred Francis Calvelli, Ph.G.;* George R. Cogswell, Ph.G.; Edward M. Cole. Ph.G.; Benjamin H. Crystal, Ph.G.; Aaron M. Dixon, Ph.G.; Samuel R. Drapkin, Ph.G.; Carlton S. Embree, Ph.G.; William Finkelstein, Ph.G.;* Francis A. Frawley. Ph.G.; Harry H. Hodes, Ph.G.; Jacob M. Jacobs, Ph.G.; Miss Kate Kramer, Ph.G.; Julius Parotzky, Ph.G.; Shalem E. Posin, Ph.G.; Miss Ruth Propper, Ph.G.; Isidore Rabinowitz, Ph.G.; Isidore Ritter, Ph.G.; Morris Twersky, Ph.G.; Harry Wirklich, Ph.G.;* Thomas Zimmermann, Ph.G.* [24]

Doctor of Pharmacy: Edwin B. Ackerman, Ph.C., Ph.G.; Rafael Cabrera, Jr., Ph.C., Ph.G.; Raymond L. Flett, Ph.C., Ph.G.; Pasquale Guerrieri, Ph.C., Ph.G.; Adam J. A. Traub, Ph.C., Ph.G.; Jacob Henry Wiener, Ph.C., Ph.G.; Henshaw Jee, Ph.C.* [7]

Masters **Master of Arts:** Isaac Aaronson, LL.B. N. Y. Univ. 1908;* Robert Moser Adam, A.B. Franklin & Marshall 1911; Elizabeth Ruth Albers, A.B. St. Lawrence Univ. 1905;* Daniell Maxwell Alperin, A.B. C. C. N. Y. 1911; Johanna Pauline Alpermann, A.B. Ypsilanti State Normal Coll. 1913; William Henry Allen, Jr., A.B. 1907;† Murray Adolph Alstet, A.B. C. C. N. Y. 1911;* Herbert Ray Anderson, A.B. Lake Forest 1899; James Burns Anderson, A.B. Washington & Jefferson 1912; Lula Ocillee Andrews, B.S. 1913;† Catherine Agatha Archer, A.B. N. Y. Normal Coll. 1912; Winfield Dockery Armentrout, A.B. Missouri Valley 1910; Byron K. Armstrong, A.B. Indiana 1913; Alex Matthews Arnett, A.B. Mercer 1908;* Geoffrey Atkinson, B.S. Amherst 1913; Edna Irene Avery, B.S. 1913; Clara Elizabeth Babcock, B.S. 1913; Dudley J. Bachrach, A.B. 1912;* Bertha Lilian Bacon, A.B. Vassar 1902; Blanche Elizabeth Baker, Ph.B. Denison 1902; George Marshall Baker, A.B. Minnesota 1913; Samuel N. Baker, A.B. Brown 1905; Morris Barasch, B.S. C. C. N. Y. 1909;† Grace Elizabeth Barber, A.B. Mount Holyoke 1906; Lois Elta Barr, B.S. 1909; Myrth Emma Bartlett, A.B. Pomona College 1909; John Wynne Barton, A.B. Trinity 1913; Ralph Fleming Bates, A.B. Colgate 1911; Jesse Hoyte Baxter, B.S. 1913; Vinora Beal, B.S. 1907; Hilda Beale, A.B. George Washington 1911; Francisco Benitez, B.S. 1910; George Lionel Bennett, A.B. Colgate 1900;* Beebe Walker Bentley, A.B. N. Y. Normal College 1913; Isaac Baer Berkson, A.B. C. C. N. Y. 1912; Robert Bersohn, B.S. C. C. N. Y. 1911; Josephine Genevieve Besaw, A.B. Chicago 1906;* Bruce Sankey Biddle, A.B.

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N. Y. Univ. 1909; Gerda Bidstrup, B.S. 1912; Margaret E. Bigelow, B.L. Ohio Wesleyan 1908; Benjamin Birnbaum, B.S. C. C. N. Y. 1912; Simon Birnbaum, B.S. C. C. N. Y. 1912; Robert Wilson Bissell, B.S. Washington 1912;† Ethel Black, A.B. Randolph-Macon Woman's Coll. 1907; Anne Dudley Blitz, A.B. Minnesota 1904; Sophia Louisa Bodler, Ph.B. Chicago 1906; Helen Elizabeth Bodwell, A.B. Mount Holyoke 1903; Paul Franklin Boller, A.B. Syracuse 1910; B.D. Union Theol. Sem. 1913;* Alice Sylvia Borchard, A.B. N. Y. Normal Coll. 1913; Edward William Boshart, B.S. 1911; Willis Morgan Boyd, A.B. Emory 1901; Dora Julia Bradbury, A.B. Mount Holyoke 1913; Ethel Charlotte Bratton, B.S. 1906; Barnett Brickner, B.S. 1913; Stuart Robert Brinkley, A.B. Emory 1909; Amy Bronsky, Ph.B. Wisconsin 1905; Catharine Durant Brown, A.B. Wellesley 1912; Lillian Olive Brown, A.B. Dickinson 1908; Marion Francis Brown, A.B. Radcliffe 1909;* Robert Brown, Jr., A.B. Lafayette 1905;† Gertrude Browning, A.B. Cornell 1910; Daniel Bunyan Bryan, A.B. North Carolina 1911; Harold Sydney Budner, A.B. C. C. N. Y. 1911; Florence Wingfield Bullock, A.B. Illinois 1907; William Wallace Bullock, Ph.B. Colgate 1899; Bessie Bunzel, A.B. 1912; Reuben Wesley Burnham, A.B. Amherst 1895;† Marion Edwardine Butler, A.B. N. Y. Normal Coll. 1913; Carrie Butz, A.B. Dickinson 1909; Harold Augustin Valahan, A.B. 1912; Brayton C. Case, B.S. California 1910;† Fannie Catherine Cashman, A.B. Trinity (Washington, D. C.) 1913; Laura Annis Cauble, B.S. 1908; Samuel McCrea Cavert, A.B. Union 1910; May C. Cermak, A.B. N. Y. Normal Coll. 1913; Yew Yung Chan, B.S. 1912;† Victor Chankin, A.B. C. C. N. Y. 1911; John D. Charles, A.B. Franklin & Marshall 1905; Harold R. Chidsey, A.B. Lafayette 1909, B. B. Union Theo. Sem. 1912;† Maurice Mayer Chrystall, B.S. C. C. N. Y. 1910; Chin Chu, A.B. Wisconsin 1912; Vee Gih Chu, B.S. Illinois 1913; Mary Augusta Clark, A.B Mount Holyoke 1903; Eunice Jeannette Cleveland, A.B. Michigan 1910; Grace Hazel Cochran, A.B. Wellesley 1911;† Jane Abigail Cochrane, A.B. Michigan 1906; Lois Cody, B.S. 1913; Bertha Cohen, A.B. Adelphi 1910; James Bruce Coleman, B.S. South Carolina 1906, A.M. 1910; Rufus Arthur Coleman, A.B. Whitman 1909; James Francis Connolly, B.S. 1912;† Mary Olive Conrath, Ph.B. Chicago 1903; Guy Chester Converse, A.B. Hillsdale Coll. 1910; Grace Cook, A.B. Mount Holyoke 1912; Hazel Margaret Cook, A.B. Smith 1906;* George Elliott Cooley, Ph.B. St. Lawrence 1897; Sarah Johnson Cotton, A.B. West Virginia 1901; Molly Brooke Temple Coyle, A.B. 1912; Ephraim Cross, A.B. C. C. N. Y. 1913; Ruth Joy Cummings, A.B. Bates 1908;† Julia Mangum Dameron, A.B. North Carolina 1908;† Gillespie Blaine Darrah, A.B. Marietta 1912; Bessie Margaret Davidson, Ph.B. Hiram 1908; Hazel Lucile Davies, A.B. 1909;† Hallam Walker Davis, A.B. Indiana 1912;* Kathrina Mode Davis, A.B. Wellesley 1901;† William Winfree Davis, A.B. Randolph-Macon Woman's Coll. 1907; Arthur C. Deamer, A.B. Indiana 1912;* Frank Louis DeBeukelaer, A.B. Colgate 1910; Mary Denniston, B.S. 1912; Emma Denton, B.S. 1909;* Julia Deutsch B.S. 1911;† Frank B. Devlin, A.B. 1910;† John Joseph Didcoct, Ph.B. Wooster 1905; M.Sc. 1908; Homer Ferdinand Dilworth, A.B. Tri-State 1891;* James Frank Dobie, A.B. Southwestern 1910; Mary Doherty, B.S. 1912; Sarah Cecelia Donegan, A.B. N. Y. Normal Coll. 1913; Caroline Wood Draper, A.B. Randolph-Macon Woman's Coll. 1904; Hudson W. Dresher, B.S. 1913; Ralph McNeil Dunbar, A.B. George Washington 1912; Mary Ellen Duncan, A.B. Adelphi 1908; Werter C. Dyer, A.B. Ohio State 1903; Israel Isaac Efros, A.B. N. Y. Univ. 1913; Hannah M. Egan, A.B. N. Y. Normal Coll. 1911;* Sheridan William Ehrman, B.L. Michigan 1896; Isadore Eisenberg, A.B. C. C. N. Y. 1911;* Edwin Gustav Eklund, A.B. Minnesota 1908; Benjamin Elwyn, A.B. C. C. N. Y. 1913; Martha Emmons, A.B. 1912; Walter Johnson Emmons, B.S. Brown, 1912; John Morton Espey, A.B. Wooster 1902; Edith Claypoole Ewing, B.S. 1903; Jeannette Ezekiels, B.S. 1910; Harold Athelstane Fales, B.S. Brooklyn Poly. Inst. 1911; Clark Thompson Falknor, B.S. Trinity (Conn.) 1903; Georgia Farrar, A.B. Baker 1912; James Alger

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Fee, A.B. Whitman 1910; Kate Field, B.S. Nebraska 1911; François de la Fontainerie B. ès Lit.L.' Institut Debeauve Paris 1897;* Jessie Louise Forde, A.B. Kansas State Normal 1910; Sarah Phoebe Foster, A.B. Wellesley 1898; Jeannette Frank;* Clayton T. A. French, LL.B. 1910, LL.M. 1912, A.B. N. Y. Univ. 1907; Benson Ralph Frost, A.B. Brown 1908; George Redman Gardner, A.B. Bowdoin 1901;* Lucy Matilda Gardner, Ph.B. Chicago 1909;* Paul Willard Garrett, B.S. Whitman 1913; Helen Gavin, A.B. N. Y. Normal Coll. 1909;* Frank Gavin, B.S. Cincinnati 1913;† Samuel Brown Morrison Ghiselin, A.B. Washington & Lee 1909; Terence Ward Gilbert, B.S. 1911; Nelson Burroughs Gildersleeve, A.B. 1911;† Penelope Morgan Girdner, A.B. 1912; Benjamin Glassberg, A.B. C. C. N. Y. 1910;† Hubert Baker Goodrich, B.S. Amherst 1909; Howard Foster Goodrich, B.S. Worcester Poly. Inst. 1893;† Margery Gordon, A.B. Cincinnati 1901; Samuel Harry Goldenson, A.B. Cincinnati 1904; B.D. Hebrew Union College Cincinnati;* Catharine Gowdey, A.B. Smith 1913; Bertha Flora Graf, A.B. Adelphi 1904;† Claudine Gray, A.B. N. Y. Normal Coll. 1913; Greta Gray, B.S. Mass. Inst. Tech. 1901; William Scott Gray, B.S. Chicago 1913; Velma Florence Gray, A.B. Michigan 1908;* Laura Caroline Green, A.B. Wellesley 1893;* John C. Green, B.S. C. C. N. Y. 1904; David Edgar Guyton, A.B. Blue Mountain Coll. 1903; B.S. Mississippi 1911; Florence Grandon Haag, A.B. Trinity (Washington, D. C.) 1912;† Florence Haas, A.B. N. Y. Normal Coll. 1913; Helen Magdalene Hahn, A.B. Nebraska 1913; Delbert Eugene Hall, A.B. Grove City Coll. 1905; A.M. 1907;* Ray Ovid Hall, Mary Elizabeth Hallowell, B.S. Earlham 1907; Henry Hamann, Evalina Harrington, B.S. 1909; William Floyd Harris, A.B. Oberlin 1905;* Ruth Columbia Hartlieb, A.B. Cincinnati 1913; Louise Eugnie Harvey, A.B. N. Y. Normal Coll. 1911;† Philip S. Hasty, B. S. 1912; Lewis A. Herdle, A.B. Mt. Union Coll. 1906;* Laura Colton Hickox, A.B. Vassar 1905; Jessica Mateer Hill, B.S. 1912;* Lester Sanders Hill, A.B. 1911;* Pincus Hirshcopf, A.B. 1913; Charles Edwin Hobart, LL.B. 1913; A.B. Beloit 1909; Margaret Adams Hobbs, A.B. Vassar 1910; John Adam Hollinger, A.B. Franklin & Marshall 1903;* Marie Hopp; Mary Elizabeth Hough, A.B. Smith 1897; Royall Sheffler Howlett, B.S. Colorado Agri. Coll. 1901, A.M. Denver 1908;* Chin-Tao Huang, E.M. Pei-Yang 1912; Charles Huguenin, B.S. Neuchatel 1902;† Edward John Hummel, A.B. Southern California 1913; Martha King Humphrey, A.B. Smith 1895; Stanley Armstrong Hunter, A.B. Princeton 1910; Sybil Hyatt, A.B. Notre Dame (Md.) 1911;* Elbridge Churchill Jacobs, B.S. Mass. Inst. of Tech. 1897; William Jansen, B.S. 1908;* Harold Clarence Jaquith, B.S. Trinity (Conn.) 1912; Lucile Jennings, B.L. Converse Coll. 1904; Frank Arthur Jensen, A.B. Michigan Normal 1906;* Marjorie Jewell, A.B. Adelphi 1911;† Thomas Bronson Jewell, Jr., A.B. Oberlin 1910; Agnes Johnson, A.B. Randolph-Macon Woman's Coll. 1913; Irene Grace Johnson, A.B. 1912; Edna Blanche Jones, A.B. 1903; Letha Jones, A.B. Cornell Coll. 1903; Mary Margaret Joyce, A.B. N. Y. Normal Coll. 1913; Zebulon Judd, Ph.B. North Carolina 1903; Ralph Welles Keeler, A.B. Wesleyan (Conn.) 1909, A.M. 1909, B.D. Drew Theo. Sem. 1907, D.D. Baldwin Wallace Coll. 1913; Charles Scull Keen, Ph.B. Bucknell 1899; Jacob W. Kelder, A.B. Hope Coll. 1904; Margaret Frances Kelley, A.B. 1913; Clara Louise Kellogg, Ph.B. Baylor 1908;* James Peter Kelly, B.S. C. C. N. Y. 1906; Elizabeth Fronde Kennedy, A.B. Coll. for Women, Columbia, S. C. 1897; Leona Minnie Ker, B.S. 1913; Jerry Leonard Kerbeck, B.S. 1913;† Luther Henry Ketels, A.B. 1912, B.D. Drew Theo. Sem. 1912; Donald Babcock Keyes, B.S. New Hampshire State Coll. 1913; Clara Hope Kidney, Ph.B. Hiram 1908; Edward Kilenyi;† Eda Laura King, A.B. Michigan 1913; Emanuel David King, A.B. 1913; Blanche Frances Kingsley, A.B. Wellesley 1898;† Harriet W. Kitts (Mrs.) A.B. Vassar 1884; Charles Louis Klein, B.S. 1908; Herbert Homer Klein, B.S. 1912; Israel Jacob Kligler, B.S. C. C. N. Y. 1911; Marguerite Knox, A.B. Smith 1913; Ryokichi Kobayashi;† Samuel Kramer, A.B. Yale 1912; Walter Max Kraus, A.B. Harvard 1910, M.D.

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Johns Hopkins 1913; WALTER SCOTT KUPFER, B.S. 1913; ELVIRA THEKLA KUSH, A.B. Vassar 1913; STANLEY VAUGHAN LADOW, A.B. 1913; MARY LOUISE LANDON, A.B. Vassar 1907; PAULINE LATZKE, A.B. 1913; BETTIE LAUTERBACH, B.S. 1914; RUTH LAW, PH.B. Franklin Coll. 1910; AUGUSTUS SCOTT LEE, B.S. Ohio Northern 1905, A.B. Peabody Coll. 1910; SOONG-DAU LEE, A.B. Wisconsin 1913; ROBERT JOSSELYN LEONARD, B.S. 1912; JACOB JAY LIND, A.B. 1913; ROSE LITSKY, A.B. N. Y. Normal Coll. 1912;* ARNUM KOHL LOBECK, A.B. 1911;* MABEL LODGE, A.B. Chicago 1908; PAO KAN LOH, B.S. Illinois 1913; RAYMOND V. LONG, B.S. 1913; MARY ELIZABETH LORD, A.B. 1907;* GEORGE ANDREW LOUGHRAN, B.S. N. Y. Univ. 1907;* SIDNEY M. LOUIS, A.B. 1913;† MILLARD LESLIE LOWERY, A.B. Dennison 1908, A.M. 1909; LAWRENCE TYNDALE LOWREY, B.S. Mississippi Coll. 1909; A.M. 1913; JESSIE LATTO LOWSON, A.M. St. Andrews (Scotland) 1908; ETHEL LUCCOCK, A.B. Goucher 1910; JOHN LUND, A.B. Clark 1913; FORREST SUMNER LUNT, A.B. Tufts 1902; HAROLD ARTHUR LYNCH, A.B. Washington 1910; LAWRENCE ROBINSON LYNCH, A.B. Ohio Wesleyan 1913; CORA MCCLELLAN, A.B. Peabody Coll. 1911; THOMAS KNOX MCCLELLAND, A.B. N. Y. Univ. 1899, A.M. 1901;* JOHN PETER MCCOY, A.B. Kansas State Normal 1913, PH.B. Chicago 1913; BLANCHE L. MCDILL, B.S. Oxford (Ohio) 1899;* ROWLAND ROBBINS MCELVARE, A.B. 1913; ROBERT JAMES MCFALL, A.B. Geneva Coll. 1912; ISABEL MCKENZIE, A.B. 1912; EDWIN E. MCLAUGHLIN, B.L.Ohio Wesleyan 1898;* AGNES ARGYLE MCLEOD, B.E. Bridgewater (Va.), 1903; GRACE MCLEOD, B.S. Mass. Inst. Tech. 1901;† FREDERIC OZANAM XAVIER MCLOUGHLIN, C.E. 1913, B.S. C. C. N. Y. 1909; BESSIE HORTENSE MCNEELY, PH.B. Missouri Valley 1896; STEWART LINCOLN MACDONALD, B.S. Colorado Agri. Coll. 1905, B.S. Chicago 1911;* JEAN ARMOUR MACKAY, A.B. Michigan State Normal 1907; RICHARD JOSEPH MACKEY, A.B. 1912; WINIFRED ROOSA CRAINE MACLAY (MRS.) B.L. Michigan 1895; MARY AGNES MACPEAK, A.B. N. Y. Normal Coll. 1913; GASTON LOUIS MALÉCOT, BERTHA ELIZABETH MANDEL, A.B. N. Y. Normal Coll. 1902;* GEORGE ARCHIE MANNING A.B. DePauw 1911; ROBERT LEE MERIWETHER, A.B. Wofford Coll. 1912; RUTH MERINGTON, B.S. N. Y. Univ. 1910, A.M. 1913; BERT EMERY MERRIAM, A.B. Oberlin 1894; BESSIE HALL MERRILL, B.S. Alabama 1907; GEORGE ABBOT MERRILL, A.B. Colgate 1910; PAUL ALLEN MERTZ, A.B. Ursinus 1910;* CHARLOTTE FRANCES MEYER, A.B. Western Reserve 1911; FLORENCE MIDDLETON, B.S. 1910; WILLIAM JOHN MILLARD, SPENCER MILLER, JR., A.B. Amherst 1912; LEWIS SPRAGUE MILLS, B.S. 1908;* CLARENCE EUGENE MINER, A.B. C. C. N. Y. 1906;* DAISY MINTZ, A.B. N. Y. Normal Coll. 1913; COUNTESS ANNE MITCHUM, A.B. Peabody Coll. 1910; EDNA CATHERINE MONROE, B.L. California 1903; CHARLES CRAIG MOOK, B.S. 1912; GEOFFREY FRANCIS MORGAN, A.B. Leland Stanford 1910; GERTRUDE ELIZABETH MORRIS, A.B. 1913; MARY FLORENCE MORRIS, B.S. 1910; ROGER LEROY MORRISON, A.B. Illinois 1911, B.S. 1912; DAVID H. MOSKOWITZ, A.B. 1913; ARTHUR MUTSCHELLER, B.S. 1913;† TOICHI MURATA, A.B. Wofford 1910, B.D. Vanderbilt 1913; CLARA DELLA MURPHY, A.B. Wellesley 1907; EDITH H. MURPHY, A.B. N. Y. Normal Coll. 1911; ALFRED STEWART MYERS, A.B. 1907;* ISAAC NANKIN, A.B. 1913; EMERY EDWARD NEFF, A.B. Ohio Wesleyan 1913; ISABEL HOWARD NEFF, B.S. 1913;* SAMUEL J. NETERER, B.L. Whitman 1910; ROBERTA NEWELL, B.S. 1908; WILLIAM J. NOLAN, A.B. N. Y. State Normal Coll. 1908; ROBERT MILES NORTHUP, A.B. Colgate 1908;* KENNETH BERKLEY NORTON, B.S. 1912; BERTHOLD HINTZ NYE, A.B. 1909;* JOSHUA ZAUTSUNG NYI, B.S. 1913; CHARLOTTE ELIZABETH O'BREIN, A.B. N. Y. Normal 1910; JOSEPHINE GERTRUDE O'BRIEN, A.B. 1909;† PAUL MORGAN OGILVIE, A.B. 1913; MABEL OLMSTEAD, A.B. Washington 1901; JOSEPH BARNET ORLIANSKY, B.S. 1913;† JOHN WILLIAM OSBORN, B.L. Western Reserve 1901; MARION STICKNEY OSGOOD, A.B. Mount Holyoke 1912;† THOMAS FRANCIS O'SULLIVAN, A.B. 1912, LL.B. N. Y. Law Sch. 1912; JAMES ROBERT OVERMAN, A.B. Indiana 1909; DONALD TAYLOR PAGE, A.B. Dartmouth 1901;* ELIZABETH M. PAGE, A.B. Vassar 1912; GEORGE BRUNER PARKS, A.B. Amherst 1911; CHARLES PEARLE, A.B. 1913; EDWARD NEWTON PEART, PH.B. Oskaloosa 1912;† WILLIAM ALEXANDER PERLZWEIG,

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B.S. 1913; Sallie Eugena Pero, A.B. 1913; Laura Celestia Perry, A.B. Oberlin 1908; Lyndon Burke Phifer, B.S. Missouri 1912, A.B. 1913; Junia Helen Phillips (Mrs.); A.B. Chattanooga 1908; Alexander Murray Porter, A.B. Dalhousie 1909; Jessie Alexander Powell, A.B. Illinois 1906; Lucy Reed Powell, A.B. 1913; Willard DeMille Price, A.B. Western Reserve 1909; Charles Edward Prior, Jr., E.M. Colorado Sch. of Mines 1913; Warner Charles Pyne, B.S. 1912;† Fannie Jane Ragland, A.B. Miami 1908; Mildred Ralph, B.S. Colby 1912; Eudna Woolfolk Ramsay, A.B. Richmond 1911;† Ora Anson Rawlins, A.B. Indiana 1901, A.M. 1907;† Elizabeth Perkins Ready, A.B. 1912;* Edward Arnold Reams, A.B. Kansas Wesleyan 1913; Grace Reeder, A.B. 1910; Mildred Emma Reeve, A.B. Western Reserve 1908; Katherine Willess Reid, A.B. Vassar 1912;* George Anton Repko, B.S. Brown 1912; Lamberto Siguión Reyna, A.B. Univ. of St. Tomas (Manila) 1908, Lic. Jur. Manila Law School 1911;* Frieda Rose Reynolds, A.B. Michigan 1908; Mary Elizabeth Reynolds, A.B. Florida State Coll. 1907, A.M. 1908; Ruth Reynolds, A.B. Florida State Coll. of Women 1908, A.M. 1909; Charlotte Richardson, B.S. 1912; William C. Richardson, A.B. Cornell 1899; John Lawrence Riley, B.S. 1913; Ethel Minerva Roach, B.S. 1911; A.B. Buchtel 1908; Frank Leigh Robeson, B.S. Virginia Poly. Tech. Inst. 1904, M.E. 1905;* Helen Dorothea Romer, A.B. Vassar 1912; Ethel Ronzone, B.S. Mills Coll. 1913; Samuel Eugene Rose, A.B. Meridian Male 1911, B.D. Drew 1914; Jacques Charles Rosenblum, B.S. N.Y. State Normal Coll. 1913; Jay Leo Rothschild, A.B. 1912; William Samuel Sachs, A.B. Yale 1913; Alma Pauline Rydene, B.S. 1908;* Florence Birdie Saltzberg, A.B. N. Y. Normal Coll. 1910; Dorothy Salwen, A.B. 1911; Anna Beatrice Salzman, A.B. 1913; Andrew Jackson Scarlett, Jr., A.B. Dartmouth 1910;† Frank Isaac Schechter, A.B. 1912; Louis David Schwartz, A. B. St. Lawrence Univ. 1912;* Victor H. Schleicher, A.B. Indiana 1913; Gabriel Schlesinger, B.S. 1911; Edgar Richard Schlueter, A.B. Washington (St. Louis) 1911; William Albert Schneider, B.S. Chicago 1913; George Henry Schoettle, B.S. C. C. N. Y. 1908; Meta Elizabeth Schutz, A.B. Adelphi 1906; Reginald Heber Scott, B.D. Berkeley Divinity Sch. 1903; Anna Luella Seager, B.S. 1909;* Alice Sealy, A.B. Adelphi 1913; Harriet Seibert, A.B. 1913; Damon H. Sellers, A.B. Ohio Wesleyan; Leila Sellers, A.B. Columbia Coll. (S.C.) 1906, A.M. Univ. of South Carolina 1911; Francis Eugene Seymour, A.B. Syracuse 1904;* Robert Herbert Shanks, A.B. Wake Forest 1910; Lambert Armour Shears, A.B. 1912; Albert Bradley Sheldon, B.S. Huron Coll. 1913; Edwin Francis Shewmake, Jr., A.B. William & Mary 1908;† Benjamin Franklin Shively, A.B. Otterbein 1905, B.D. Bonebrake Theo. Sem. 1907; Olive Estil Shropshire, B.S. 1913; Jacob Shulansky, Ph.B. Yale 1910; John Shirk Simons, A.B. Millersville State Normal 1909;† Delmar Francis Sisson, B.S. Colgate 1913; Elizabeth Blodget Skeele, A.B. Mt. Holyoke 1913; Alexander Slater, A.B. 1913;† Catherine Beatrice Smith, B.S. N. Y. Univ. 1911;* Russell Gordon Smith, A.B. Richmond Coll. 1911; Sarah Jane Smith, A.B. Randolph-Macon Woman's Coll. 1901; Selina Emily Sommerville, A.B. Wellesley 1911; Harold Eugene Speece, B.S. 1912; Robert Vaughan Spencer, A.B. Yale 1901; Mabel Viola Stangnatt, A.B. Mt. Holyoke 1911; Margaret Beaumont Stanton, B.S. Iowa State Coll. 1902, A.M. Wisconsin 1908; Ruth Stark, B.S. California 1913; William George Steinmetz, B.S. C. C. N. Y. 1913; Wellington D'Forte Sterling, B.L. Michigan 1899; Richard Morris Stern, A.B. C. C. N. Y. 1911; Mary Sydney Stevens, A.B. Adelphi 1909;† Thomas Bayard Stewart, A.B. Iowa State Teachers' Coll. 1909; Guy Cadwallader Stockton, A.B. 1906; William Weller Strader, B.S. 1910;* Eugene Hudson Strode, A.B. Alabama 1913; Ferdinand Theodore Struch, B.S. Oregon 1911; Clarence Wilson Stryker, A.B. Union 1885; Alice Kerr Sturm, A.B. Michigan 1902; Ethel G. Sturtevant, A.B. Wellesley 1906; Koji Syzuki, Lena Evelyn Sylvania, A.B. Smith 1912; Lavinia Tallman, A.B. Vassar 1904; Younglee Tang, B.S. 1913; Mary Melissa Tapp, A.B. Trinity (N. C.) 1910; Marie Antoinette Tea, A.B. N. Y. Normal Coll.

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1905; Arthur Clark Terrill, E.M. Colorado Sch. of Mines 1905; Alwin Thaler, A.B. Adelphi 1912; Alice Lillian Thomas, B.S. 1911, A.B. Allegheny Coll. 1903; Arthur Waldorf S. Thomas, Chem. 1912;† Ruth McGruder Thomasson, A.B. Richmond 1911; Andrew A. Thompson, A.B. Muskingum 1902; William Charles Thompson, B.S. Missouri 1913; Richard H. Thornton, A.B. Virginia Christian College 1907;† Willard F. Tidyman, A.B. Baker 1911; Arturo Torres, B.S. 1913;† Dallas Selwyn Townsend, A.B. 1910, LL.B. 1913; Schuyler Mallory Townsend, A.B. Syracuse 1908;† Yuan Tze Tsai, B.S. Mass. Inst. Tech. 1910;† Marion Rex Trabue, A.B. Northwestern 1911; Arthur Leslie Trester, A.B. Earlham 1904;* Pow Nion Templar Tsu, Carolyn Tuggle, A.B. Trinity (N. C.) 1910; Sarah Emily Tyler, A.B. Vassar 1906; Frida von Unwerth, Ph.B. Chicago 1903; Siegried Maia Hansen Upton, B.S. 1910;† Grace Harriet Utley, B.S. 1913;† Benjamin Henry Van Oot, B.S. 1913; James Andrew Vaughan, A.B. Elsom Coll. 1908;† Susan Evens Van Wert, A.B. Cornell 1898; Mary Verhoeff, A.B. Vassar 1895; Maria Diazde Villalvilla, A.B. 1913;† William Ledley Vosburgh, A.B. Amherst 1904;* Mary Voyse, A.B. 1913; Frank Perley Wagg, A.B. Bates 1901; William Alfred Walls, A.B. Mt. Union Coll. (Ohio) 1907;* Theodore Demarest Walser, A.B. Union 1910; John Joseph Walsh, B.S. 1912; Jennie Ada Walker, A.B. Rockford 1902;† Cornelius Jacob Walter, B.S. Pennsylvania 1908;* John Ramon Walton, Ph.B. Ohio Northern 1899, A.B. Otterbein 1901,* A.B. Union 1910; Veni A. Warwick, A.B. Adelphi 1911;* Helen Marie Weinland, A.B. Otterbein 1911; Alexander Weinstein, B.S. 1913; Raleigh Weintrob, B.S. 1912;† Oliver Clyde Weist, A.B. Ohio State 1910; John Henry Wellenkamp, A.B. 1913; Henry George Wellman, B.S. Harvard 1912; Cornelius Augustus Wells, B.S. Mercer 1906, M.S. Georgia 1908; Milton George Wend, B.S. Union 1913; Paonan Mienseng Whang, Howard Dare White, A.B. Franklin & Marshall 1897; Lura Irene Whitney, B.S. 1913; Burtis Erwin Whittaker, A.B. Brown 1898; Ethel W. Wickwire, A.B. Tri-State 1909; Mary Gertrude Wilford, B.S. 1912; Homer B. Williams, A.B. Ohio Northern 1891, Ph.B. 1912, A.M. Baldwin-Wallace 1913; Simon Horace Williams, Ph.B. Chicago 1904, A.M. Colorado 1908;* Levi Thomas Wilson, A.B. Washington & Lee 1909, A.M. 1910;* Alfred Robinson Winter, Ph.B. Brown 1901;* James Franklin Wood, A.B. Mercer 1902;* Morris Wolf, A.B. 1912; Kai Ming Wong, B.S. 1913; William A. Wong, E.M. Colorado 1913; Edgar Wood, A.B. Cornell 1894, A.M. Mt. Allison (Canada) 1899; Marianna Woodhull, A.B. Smith 1887; Harlie Dalton Woods, A.B. Southwestern 1913; Edna Louise Yates, B.L. California 1912; Anna Irwin Young, A.B. Agnes Scott 1910; Granville Allen Young, B.S. Alabama Poly. Inst. 1909;* Carl William Ziegler, B.S. Colgate 1910, M.S. 1912.†

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June 1913, Thomas Hunt Barber, A.B. Harvard 1911; James Stopford Lauder Brunton, B.S. McGill 1910, M.S. 1912.

[2]

Master of Laws: Charles R. Frankham, A.B. Otterbein 1896, A.M. Ohio State 1903, LL.B. 1904; Champe Goodwyn Carter, A.B. University of Texas 1911, LL.B. 1913; Granville Hampden Triplett, A.B. Washington and Lee 1913, A.M. Princeton 1904, LL.B. N. Y. University 1911, LL.M. J. D. 1912.

[3]

Doctors of Philosophy

Doctor of Philosophy: Manuel Barranco, B.S. 1911, A.M. 1912, Major subject: Education; John Seaman Bates, Chem. E. 1913, A.B. Acadia 1908, B.S. 1909, Major subject: Chemistry; William Thomas Bawden, B.S. 1910, A.B. Denison Univ. 1896, Major subject: Education; Cora Jepson Beckwith, A.M. 1908, B.L. Michigan 1900, Major subject: Zoölogy; Andrew Bender, A.B. Lebanon Valley 1906, Major subject: Organic Chemistry;† Laura Estelle Watson Benedict, A.B. Chicago 1900, A.M. 1904, Major subject: Anthropology; Adolph Burnett Benson, A.M. 1910, B.S. Wesleyan 1907, M.S. 1910, Major subject: Germanic Languages and Literatures; Harry

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Best, A.M. 1908, A.B. Centre Coll. 1901, A.M. George Washington Univ. 1902, Major subject: Social Economy; Edwin Montefiore Borchard, B.S. 1908, LL.B. N. Y. Law Sch. 1905, Major subject: International Law; Sidney Born, B.S. 1910, Major subject: Chemistry;* Albert Clarence Boyle, Jr., B.S. Utah, M.E., Major subject: Geology;† Thomas Henry Briggs, A.B. Wake Forest 1896, Major subject: Education;† Augusta Fox Bronner, B.S. 1906, A.M. 1911, Major subject: Education; Robert Peyton Calvert, A.B. Oklahoma 1909, A.M. 1910, S.M. Chicago 1911, Major subject: Chemistry; James Crosby Chapman, B.S. London 1909, D.S. 1913, A.B. Cambridge 1912, Major subject: Education; Shao-Kwan Chen, A.M. 1911, Major subject: Economics; Helen Louise Cohen, A.B. 1903, A.M. 1905, Major subject: English; Christopher Bush Coleman, A.B. Yale 1896, B.D. Chicago 1899, Major subject: History of Thought and Culture; Percy Erwin Davidson, A.B. Leland Stanford 1898, A.M. Harvard 1905, Major subject: Education; Dayton James Edwards, B.S. Maine 1906, Major subject: Physiology; Thomas Dawes Eliot, A.B. Washington 1910, A.M. Pennsylvania 1912, Major subject: Social Economy; Charles Herbert Elliott, A.M. 1908, B.S. McKendree Coll. 1907, Major subject: Education; Ahmed Emin, A.M. 1912, Major subject: Sociology; Charles Reinhard Fettke, A.M. 1911, B.S. Washington State 1910, Major subject: Geology;† Fred Denton Fromme, B.S. South Dakota State Coll. 1911, Major subject: Botany; Charles Elmer Gehlke, A.B. Western Reserve 1906, Major subject: Sociology; Gordon Harwood Graves, A.M. 1909, B.S. Earlham 1905, A.B. Haverford 1906, Major subject: Mathematics; Alexander Green, A.M. 1911, A.B. C. C. N. Y. 1910, Major subject: Germanic Languages and Literatures;† Robert Murray Haig, A.B. Ohio Wesleyan 1908, A.M. Illinois 1909, Major subject: Economics; William Harry Heck, A.B. Wake Forest 1897, A.M. 1899, Major subject: Education; Anna Charlotte Hedges, B.S. 1905, A.M. 1906, Major subject: Education; Ernest Horn, B.S. Missouri 1907, A.M. 1908, Major subject: Education; Clare Macllelen Howard, A.B. 1903, A.M. 1904, Major subject: English;† Maude Aline Huttmann, B.S. 1904, A.M. 1905, Major subject: Medieval History; Samuel Joseph, A.B. C. C. N. Y. 1902, Major subject: Sociology; Lyman Morse Kells, A.M. 1913, A.B. Minnesota 1910, Major subject: Mathematics;† Frederick James Kelly, A.B. Nebraska 1902, Major subject: Education; Oswald Whitman Knauth, A.B. Harvard, 1909 Major subject: Economics;† Louis Otto Kunkel, B.S. Missouri 1909, A.B. 1910, A.M. 1911, Major subject: Botany; Ping Wen Kuo, B.S. Wooster 1911, A.M. 1912, Major subject: Education; Harry Wellington Laidler, A.B. Wesleyan 1907, LL.B. St. Lawrence 1910, Major subject: Economics; Marguerite Thouron Lee, B.S. Cornell 1894, A.M. N. Y. Univ. 1905, Major subject: Biological Chemistry; Victor Emanuel Levine, A.M. 1911, A.B. C. C. N. Y. 1909, Major subject: Biological Chemistry; James Ross McCain, A.B. Erskine 1900, LL.B. Mercer 1901, A.M. Chicago 1911, Major subject: American History;† Yin Chu Ma, A.M. 1911, A.B. Yale 1910, Major subject: Economics; Wallace A. Manheimer, A.M. 1912, B.S. C. C. N. Y. 1908, Major subject: Bacteriology; Lewis Mayers, A.B. C. C. N. Y. 1910, A.M. Wisconsin 1912, Major subject: Constitutional Law; Marion J. Mayo, A.B. Lebanon 1894, A.M. N. Y. Univ. 1904, Major subject: Psychology;† Robert Moses, A.B. Yale 1909, A.B. Oxon, 1911, Major subject: Constitutional Law;† Eric M. North, A.M.1910, A.B. Wesleyan 1909, A.M. 1910, Major subject: History; Algernon Ashburner Osborne, A.B. Harvard 1905, Major subject: Economics; Charles Packard, B.S. Syracuse 1907, M.S. 1908, Major subject: Zoölogy;† Alma Webster Powell, Mus.B. 1910, A.M. 1911, LL.B. N. Y. Univ. 1900, Major subject: Sociology; Walter Frank Rittman, A.B. Swarthmore 1908, Ch.E. 1909, M.E. 1911, Major subject: Chemistry; Erwin William Eugene Roessler, A.B. Chicago 1900, Major subject: German; Isaac Max Rubinow, A.B. 1895, M.D. N. Y. Univ. 1898, Major subject: Economics; Elsie Mitchell Rushmore, A.M. 1908, A.B. Vassar 1906, Major subject: American History; William Fletcher Russell, A.B. Cornell 1910, Major subject: Education; Una Bernard Sait, A.B. 1909, A.M. 1910, Major subject: Philosophy; Ernest Lyman Scott, B.S. Ohio Wesleyan 1902, S.M. Chicago 1911, Major subject:

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Physiology; WILLARD LESLY SEVERINGHAUS, A.B. German Wallace Coll. 1904, A.M. 1905, Major subject: Physics; PRABHAKER S. SHILOTRI, A.M. 1909, A.B. Cornell 1908, Major subject: Economics;* ALFRED HENRY STURTEVANT, A.B. 1912, Major subject: Zoölogy; CHUN HAO WANG, (Equiv. A.B.) Pei yang 1910, Major subject: Metallurgy; WEN PIN WEI, A.B. Amherst 1910, A.M. 1911, Major subject: Economics.

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Master of Arts: WILLIAM WILLIAMS, Sometime Commissioner of Immigration at the Port of New York, Commissioner of Water Supply, Gas and Electricity. **Honorary**

Doctor of Music: WALTER JOHANNES DAMROSCH, Conductor of the New York Symphony Society.

Doctor of Letters: EDWARD LIVERMORE BURLINGAME, Editor of Scribner's Magazine.

Doctor of Sacred Theology: REVEREND WILLIAM MONTAGUE GEER, of the Class of 1869.

Doctor of Science: ARISTIDES AGRAMONTE of the Class of 1892 Medicine; Professor of Bacteriology and Experimental Pathology, University of Havana, Cuba.

Doctor of Laws: JOHN HUSTON FINLEY, Commissioner of Education of the State of New York; SETH LOW of the Class of 1870; Eleventh President, 1890–1901; Trustee 1881–1914.

(Conferred December 1, 1913), JEAN PERRIN, Sc.D., Professor of Physical Chemistry in the University of Paris; Visiting French Professor; JOSEF SCHUMPETER, LITT.D., Professor of Political Economy in the University of Graz; Visiting Austrian Professor; KARL F. TH. RATHGEN, LITT.D., Professor of Political Economy in the Colonial Institut, Hamburg, Kaiser Wilhelm Professor.

COMMENCEMENT CALENDAR

May 25—June 7—Architectural Exhibition.

May 29—Teachers College River Day.

May 30—Baseball Game, The Chinese University of Hawaii *vs.* Columbia; Barnard Senior Play.

May 31—Baccalaureate Service, Sermon by the Chaplain of the University.

June 1—Columbia College Class Day; Baseball Game, Syracuse *vs.* Columbia; Teachers College Reception; Columbia College Senior Thé Dansant; Phi Beta Kappa Joint Meeting; Phi Beta Kappa Dinner for the Columbia Section; Phi Beta Kappa Oration; Barnard College Senior Dance; Teachers College Senior Dance.

June 2—Barnard College Ivy Day; Teachers College Lawn Party; Unveiling of Jefferson Statue; Campus Night.

June 3—Commencement Day: Teachers College Presentation of Class Gift; Conferring of Degrees and Award of Honors; Presentation of Class Gifts; Alumni Luncheons; Alumni Costume Parade; Baseball Game, Pennsylvania *vs.* Columbia; Barnard Alumnae Costume Parade; Alumnae Class Suppers, Barnard College; Alumni Beefsteak Dinner; Alumni Singing and Band Concert.

June 4—Barnard College Class Day; Barnard Senior Banquet.

TABLE OF DEGREES AND DIPLOMAS GRANTED, 1913–1914

	Men	Women	Total
A. Degrees conferred in course			
Bachelor of Arts	99[1]	113	212
Bachelor of Laws	140	...	140
Bachelor of Science	77[1]	7	84
Bachelor of Science in Education	30	188	218
Bachelor of Science in Practical Arts	...	5	5
Bachelor of Science in Architecture	1	...	1
Bachelor of Architecture	17	...	17
Bachelor of Literature	13	2	15
Chemist	3	...	3
Chemical Engineer	18	...	18
Civil Engineer	27	...	27
Electrical Engineer	8	...	8
Engineer of Mines	38	...	38
Mechanical Engineer	14	...	14
Metallurgical Engineer	8	...	8
Doctor of Medicine	71	...	71
Pharmaceutical Chemist	22	2	24
Doctor of Pharmacy	7	...	7
Master of Arts	282	210	492
Master of Laws	3	...	3
Doctor of Philosophy	54	11	65
Total	**932**	**538**	**1470**
Deduct duplicates[2]	15	3	18
Total individuals receiving degrees in course	**917**	**535**	**1452**
B. Honorary degrees			
Master of Arts	3	...	3
Master of Science	12	...	12
Doctor of Music	1	...	1
Doctor of Letters	1	...	1
Doctor of Sacred Theology	1	...	1
Doctor of Science	1	...	1
Doctor of Laws	5	...	5
Total	**24**	...	**24**
C. Certificates and Teachers College diplomas granted.			
Certificates of Proficiency in Architecture	13	...	13
Special diploma in Education	2	19	21
Bachelor's diploma in Education	39	214	253
Master's diploma in Education	102	72	174
Doctor's diploma in Education	11	2	13
Total	**167**	**307**	**474**
Total degrees and diplomas granted	**1123**	**845**	**1968**
Deduct duplicates[3]	152	284	436
Total individuals receiving degrees and diplomas	**971**	**561**	**1532**

[1] Receiving a diploma for the combined course in Arts or Science and Medicine: 4 A.B., 4 B.S.

[2] Distributed as follows: LL.B. and A.M., 11 men; M.D. and A.M., 1 man; Met.E. and A.M., 1 man; Bach. of Arch. and A.M., 1 man; B.S. and A.M., 1 man, 3 women.

[3] In addition to those noted under [2] the following duplications occur: A.B. and Bachelor's Diploma, 4 men, 16 women; B.S. and Bachelor's Diploma, 3 men; B.S. in Education and Bachelor's Diploma, 30 men, 188 women; A.M. and Master's Diploma, 102 men and 71 women; Bachelor's Diploma, 2 men, 7 women; Ph.D. and Doctor's Diploma, 11 men, 2 women.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

(For awards see page 497)

NOTE. Unless otherwise provided, all stipends of Fellows and Scholars are paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive the instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year. Failure so to report may operate to vacate the Fellowship or Scholarship.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees and the statute concerning the sons of professors do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application in writing, on a blank prepared for the purpose, must be filed with the Secretary of the University; for fellowships and University scholarships on or before March 1, for other scholarships on or before May 1. Applications and documents received in support thereof later than these dates, or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies, may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself, as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for. Documents will not be preserved for more than one year from the date of application.

All Fellows and Scholars, except, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted to study elsewhere. No Fellow or University Scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

UNIVERSITY FELLOWSHIPS

Twelve fellowships, of the value of $650 each, known as "Univer-

sity Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(*a*) of a liberal education, such as a diploma from a college or scientific school of good repute;

(*b*) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(*c*) of upright character, such as testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each. Vacancies will be filled in the same manner in which original appointments are made.

These fellowships are awarded as honors, and those who are so disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed. Each Fellow is expected to perform such duties as may be allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He is expected to devote his time to the prosecution of special studies under the direction of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other approved method. No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships. Candidates should indicate clearly upon their application blanks the fellowship for which they are applicants.

Adams The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E.E. '97, A.M. '98, is of an annual value of $1250. The appointment may be made from among the teaching staff, alumni, or students of the University. The incumbent shall prosecute researches either at Columbia or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of these investigations are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

Alumni Association

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for a fellowship, tenable for one year and of an annual value of $650, open to graduates who have shown special aptitude for scientific research in the Department of Pathology. Appointments are made upon the nomination of the Executive Committee of the Alumni Association from candidates presented by the Professor of Pathology. Incumbents of this fellowship are expected to devote themselves to scientific research either at Columbia, where they enjoy free tuition and the privileges of the laboratories, or in other institutions either here or abroad at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work.

Archaeology

The University maintains an annual fellowship in the International School of American Archaeology and Ethnology in Mexico.

Barnard

The Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, and of the annual value of $412.50, is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself for some years continuously thereto. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment. It is the duty of a Barnard Fellow to devote himself to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the supervision of some known physicist approved by the Department of Physics. He shall make a report certified to by the physicist superintending and directing him, giving an account of the work in which he has been engaged.

Class of '70

The "Class of '70 Fellowship," has an annual value of $500. It is filled by the University Council, subject to such regulations as may be prescribed.

Columbia

The Columbia Fellowship in Architecture, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the School of Architecture, is open every third year, beginning with 1915–16, to all graduates of the School within the three years following graduation and to all matriculated students who have completed the requirements for the Thesis. The Fellow is entitled to receive the net income accruing during a period of three years of the endowment fund of $13,000. The holder of the fellowship is required to devote the income thereof to foreign study and travel in accordance with plans approved by the School of Architecture.

Curtis The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being for 1916–17. The Curtis Fellow is entitled to receive the net income of the endowment of $10,000, accruing during a period of three years, and proportionately for any part of the term. Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen." The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (*a*) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (*b*) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

Cutting The William Bayard Cutting Traveling Fellowships, founded by Mrs. William Bayard Cutting, in memory of her husband, William Bayard Cutting, LL.B. '71, A.M. '72, are awarded annually by the Trustees to graduate students who have given evidence of ability to make contributions of value to letters, science, law, medicine, or the fine arts. The fellowships are open to men who have been in residence as graduate students and candidates for a higher degree under the Faculties of Political Science, Philosophy, or Pure Science, for at least one academic year, and to graduates of Columbia University in Law, Medicine, Applied Science, or the Fine Arts who have had at least one year of additional study as graduate students in the University. In addition, not more than two members of the senior or graduating class in Columbia college may be appointed to such fellowships in any one year. Holders of these fellowships are required to pursue their studies either in the United States or in foreign countries under such direction as may from time to time be prescribed. The stipend of each fellowship will be fixed at the time of its award and will depend upon the requirements and purposes of individual Fellows. The normal minimum stipend is $1,000. Appointments are made by the Trustees at their stated meeting in June of each year, and the fellowships are available from July 1 following.

Drisler The Henry Drisler Fellowship in Classical Philology, established in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B. '39, is of the annual value of $650. It is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. The appointment is made by the Council on the recommendation of the Department of Classical Philology. Reappointments may be made for not more than two terms of one year each. The

Fellow must study at this University under the direction of the Department of Classical Philology, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies at Rome.

Dubois

The Abram Dubois Fellowship is open to a graduate of the School of Medicine who shall have satisfactorily completed a term of one year or more, the whole or greater part of which shall have been devoted to the diseases of the eye as interne in a hospital in New York, or elsewhere, approved by the Committee on Award. The award is made annually, but the holder may be continued in the fellowship, if no equally worthy candidate presents himself. The incumbent is restricted to clinical and laboratory study of the subject of diseases of the eye in foreign or American universities.

Garth

The Granville W. Garth Fellowship in Political Economy is awarded each year by the Council on the recommendation of the Faculty of Political Science. The Fellow is entitled to receive the net annual income of the Granville W. Garth Memorial Fund of $16,250.

Gilder

Two or more Gilder Fellowships are awarded annually by the Council on the recommendation of the Faculty of Political Science to graduates of any college or university, or to students having exceptional qualifications. The Fellows shall devote themselves to the investigation of political and social conditions in this country or abroad; to the examination and analysis of the practical working of legislation enacted for the purpose of improving civic conditions or to practical civic work, in accordance with plans approved by the Professor of Politics and the Professor of Sociology. It shall be the duty of each Gilder Fellow to make a written report at least semi-annually to such professors, giving an account of the work on which he has been engaged. Each of such Fellows shall receive such portion of the income of the Richard Watson Gilder Fund for the Promotion of Good Citizenship as the Trustees may from time to time determine, provided that a portion of the income of the fund may be set aside to meet the cost of publishing the results of the investigations and studies of such Fellows, and such publications shall bear the title of the fund. A fellow may be reappointed for two additional years.

Goldschmidt

The Samuel Anthony Goldschmidt Fellowship in Chemistry is awarded each year by the Council in the same manner as University Fellowships are awarded and subject to the same regulations. The Fellow shall be entitled to receive the annual net income of $16,250, the gift of George B. Goldschmidt, as a memorial to Samuel Anthony Goldschmidt of the Class of '71.

Gottsberger

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have

been, for not less than two years, resident graduate students at Columbia, taking also the Degree of Master of Arts. The holder may, with the consent of the professor in charge of his major subject of study, pursue his studies abroad. The Fellow is entitled to receive the net income for two years of the Cornelius Heeney Gottsberger Scholarship Fund of $9,500.

McKim The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim, is open every third year, beginning with 1916–17, to all graduates of the School of Architecture within the three years following graduation and to all matriculated students who have completed the requirements for the Thesis. The Fellow is entitled to receive the net income accruing during a period of two years of the endowment fund of $20,000. The holder of the fellowship is required to devote the income thereof to foreign study and travel in accordance with plans approved by the School of Architecture.

Mitchell The William Mitchell Fellowship is awarded annually by the Trustees, on the nomination of the Faculty of Columbia College, to a graduate of the College who purposes entering upon a course of advanced study in letters or science. In determining the appointment, preference is given to members of the graduating class and to graduates of not more than three years' standing. The Fellow is entitled to receive the net income of the fund of $10,000, bequeathed by Benjamin D. Silliman, and he is permitted to study at Columbia or elsewhere.

Mosenthal The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of $7,500. It is awarded every even year by the Council upon the recommendation of the Department of Music, and is tenable for one year. Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications. The holder must devote himself to the study of musical composition at Columbia, or, with the approval of the department, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Department of Music may direct. The Fellow shall submit, at such times as may be designated, the results of his work in musical composition.

Perkins The Perkins Fellowship, established by the bequest of Willard P. Perkins, is open every sixth year, beginning with the year 1902, to all graduates of the School of Architecture within the three years following graduation, and to all matriculated students who have completed the re-

quirements for the Thesis. The Fellow is entitled to receive the net income accruing during the previous six years of the endowment fund of $5,700. The holder of the fellowship is required to devote the income thereof to foreign study and travel in accordance with plans approved by the School of Architecture.

Plaut

The Isaac Plaut Fellowship for the encouragement of graduate study and original research in Pharmacy, established by Albert Plaut in memory of his father, is of an annual value of $500. It is open to that Bachelor of Science in Pharmacy of the College of Pharmacy who shall have shown among the members of his class during his course of study the greatest taste and aptitude for original investigation. The appointment is made by the Council of the University upon the nomination of the Trustees of the College of Pharmacy. The Fellow shall attend a foreign institution to be selected by himself and approved by the Faculty of the College of Pharmacy, and shall pursue a course of study approved by the Faculty. At the close of his incumbency he shall present to the Faculty a written report of his work.

Proudfit (Letters)

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, established by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the recommendation of the Department of English. The Fellow is entitled to receive the net income of the sum of $13,875. He shall carry on his studies and research at Columbia, or elsewhere, under the direction of the department named.

Proudfit (Medicine)

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue avanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made every four years by the University Council on the recommendation of the Faculty of Medicine, upon terms designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

Schiff

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of $600. The appointment is made by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the provision that on or before April 1 of each academic year the Faculty of Political Science shall propose to

Mr. Jacob H. Schiff, while living, the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

Schurz The Carl Schurz Fellowship for the study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the Department of Germanic Languages and Literatures. The Fellow is entitled to receive the net income for two years of the capital sum of $10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend. The holder of the fellowship must remain at Columbia under the direction of the department unless permitted by the Council to study at some German university.

Tyndall The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, and of the annual value of $648, is awarded upon the recommendation of the Department of Physics either to a graduate of the University or to a student in it, who may have shown decided talent in physics, preferably to one who shall express the determination to devote his life to the advancement of theoretic science and original investigations in that department of learning. It is the duty of a Tyndall Fellow to devote himself fully to the investigation of some subject in physical science at this or some other university, under the supervision of some known physicist approved by the Department of Physics. He shall make a report, certified to by the physicist superintending and directing him, giving an account of the work in which he has been engaged.

ANNUAL FELLOWSHIPS

The Treasurer may receive gifts of money for fellowships for one year or more, provided that no fellowship shall be created for less than $500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Twenty University Scholarships, of the value of $150 each, are awarded annually by the University Council at the stated meeting in April, under the following regulations:

These scholarships are open to all graduates of colleges and scientific schools, not over thirty years of age, whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees. They are tenable for one academic year, with a possibility of renewal for one year longer. In the awards preference will be given to those candidates for University fellowships who have failed of

appointment after having been recommended by any faculty or department. University Scholars will be required to enroll themselves as candidates for a higher degree and to pursue a regular course of study leading thereto. A University Scholar may relinquish the income thereof without waiving his right to be thus designated.

Eight University Scholarships, known as the President's University Scholarships, are awarded by the University Council, under the regulations governing the University Scholarships.

Four University Scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Political Science, Philosophy, and Pure Science. These scholarships are awarded under the same regulations as those governing the University Scholarships.

SPECIAL SCHOLARSHIPS

Aldrich

The scholarship known as the James Herman Aldrich Scholarship, established by James Herman Aldrich, of the Class of '63, by a gift of $5000 in commemoration of the fiftieth anniversary of his graduation, is awarded annually to such persons as the President may designate, with the approval of the Trustees.

Alumni Association

Four Alumni Association Scholarships have been established in the College by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College, and are open only to Freshmen who complete the requirements for admission before matriculation.

Alumni Competitive

Four Alumni Competitive Scholarships were established in the College by the Trustees in 1890. One is awarded annually by the Committee on Undergraduate Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the $14\frac{1}{2}$ units requisite for admission. The examination may be taken at any point where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Beck (College)

The Beck Scholarship was established in the College in recognition of the liberality of Charles Bathgate Beck, A.B., '77, LL.B. '79, and is awarded to applicants whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the course of study they wish to pursue. Students not in need of financial aid cannot be considered as applicants, nor can those who, through physical, mental or moral weakness, give little promise of future usefulness.

Beck (Law)

The Charles Bathgate Beck Prize Scholarship is awarded to the first-year candidates who pass the best examination in the subject relating

to Real-Estate Law. The holder shall, provided he remains a member of the School of Law, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be divided.

Benefactors Sixty-three scholarships of tuition value were established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site of Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others. These scholarships have been assigned to different faculties as follows: Columbia College, 20, open only to Freshmen; Applied Science, 27, open only to students who have been in the University at least one year; Law, 16, open to students who have been in the School of Law at least one year.

Blumenthal A scholarship, or scholarships, open to qualified candidates, is maintained in the College of Physicians and Surgeons by the income of the George Blumenthal, Jr., Scholarship Fund. An annual award is made to a student, or students, to cover the cost of tuition or for other purposes, in amounts not less than $250 nor more than $900 to any one student in any one academic year.

Brooklyn Twelve Brooklyn Scholarships were established in the College by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough, on the same basis as the Alumni Competitive Scholarships.

Burgess Two scholarships were established by the bequest of Annie P. Burgess known as the Dr. Daniel M. Burgess and the Annie P. Burgess Scholarships and are to be awarded annually by the President and Trustees to two worthy and deserving young men of good habits and Christian character, who may be unable to pay their own expenses while pursuing their studies in the University. The value of these scholarships is the income of the two distinct sums of $5000 each.

Butler The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college or school of the University, except Teachers College or the College of Pharmacy. The annual value (to be applied to tuition charges) is the income of a fund of $5000, given for the establishment of the scholarship. Applications should be made under the same regulations as those for University Scholarships.

Campbell

Two Campbell Scholarships were established in the College by gift from Miss Maria L. Campbell and Miss Catharine B. Campbell, in memory of Robert B. Campbell of the Class of '84, and Henry P. Campbell of the Class of '47. The scholarships are awarded on the same basis as the Beck Scholarships.

Clark

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, a scholarship has been established with an income of $575 a year, for the purpose of promoting the discovery of new facts in medical science.

Class of '48

The Class of 1848 Scholarships were established in the College by an anonymous gift and are awarded on the same basis as the Beck Scholarship.

Class of '85

The Class of 1885 Scholarship was established by the Class of '85, School of Mines, in memory of the 25th anniversary of graduation, by a gift of $8,200. The scholarship is open to duly registered students in the Schools of Mines, Engineering and Chemistry.

Daly

The Marcus Daly Scholarship of the annual value of $1,000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in Mining Engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of Competitive Scholarships in Columbia College.

Devendorf

The Devendorf Scholarship, established by a gift of $6,500 from Mrs. Lodema W. Devendorf in memory of her husband, Davis M. Devendorf, of the Class of '61, is open to a qualified candidate for the degree of M.D. In making the award preference shall be given to a student from the county of Herkimer, in the state of New York, and preferably to a student from the town of Herkimer.

Faculty

The Trustees have established a series of scholarships known as the Faculty Scholarships which are allotted among the several faculties as follows: College 6, Law 4, Medicine 4, Science 8, Architecture 4.

Harsen

The income of a fund established by the late Jacob Harsen, M.D., in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Two of these scholarships may be awarded to students taking the second year in the medical course; two to students

in their third year, and one to a student in his fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Harper and Hewitt Four Scholarships known as the Hewitt and Harper Scholarships endowed, two by the gift of Abraham S. Hewitt, LL.D., of the Class of '42, and two by the bequest of Joseph W. Harper, A.M., of the Class of '48, are open annually for competition to graduates of New York City high schools, on the same basis as the Alumni Competitive Scholarships.

Jones The Wawepex Society makes annual provision for a scholarship amounting to $200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

McClymonds The Louis K. McClymonds Scholarships (2) of the annual value of $650, maintained by Mrs. Annie K. McClymonds in memory of her late husband, are open to those candidates for the degree of A.B. or B.S. who shall have satisfactorily completed the requirements for admission, and who, in the judgment of the Faculty of Columbia College, shall be deemed most deserving of appointment. Preference shall be given to sons of American-born parents who have no other means of providing for their tuition and living expenses during the academic year.

Moffat Two Moffat Scholarships, endowed by William B. Moffat, A.B., '38, M.D., '42, are awarded on the same basis as the Alumni Association Scholarships.

Pulitzer Through the generosity of the late Mr. Joseph Pulitzer, male graduates of the public high schools of the city of New York, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School, Teachers College, and the College of Pharmacy. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives the sum of $250 a year over and above the cost of his tuition.

Schermerhorn Five Schermerhorn Scholarships, endowed by John Jones Schermerhorn, A.B., '25, are open only to Freshmen in the College. The requirements for admission must be completed before matriculation. They are awarded on the same basis as the Alumni Scholarships.

Religion and Learning Eight Scholarships of the Society for Promoting Religion and Learning have been founded and are awarded on the nomination of this Society.

Stuart Two Stuart Scholarships were established in the College by the gift of

Mrs. Cornelia A. Atwill, in memory of her grandsons, Sidney Barcula Stuart, of the Class of '80, and Eugene Talman Stuart, of the class of '81. They are awarded on the same basis as the Alumni Association Scholarships.

Vanderbilt

In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the William H. Vanderbilt Scholarships, have been established. These are open to students of any class.

ANNUAL SCHOLARSHIPS

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such stipend shall be less than the annual tuition fee of the college or of the school in which it is provided.

LOAN FUNDS

There are four funds (the Schiff, the Shoemaker, the Payne, and the Class of 1887 School of Mines Funds) available for short-term loans to needy students, which may be drawn upon by permission of the President.

MEDALS AND PRIZES

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The essays should be signed fictitiously and should be accompanied by a sealed envelope containing the author's name and address. The awards are announced at Commencement and, unless otherwise indicated, are annual.

Barnard

A gold medal of the value of $200 established by the provisions of the will of President Barnard and endowed by him, known as the Barnard Medal for Meritorious Service to Science, is awarded quinquennially (next award 1915) to such person, if any, whether a citizen of the United States or any other country, as shall within five years next preceding have made such discovery in physical or astronomical science or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

Bunner

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, or its equivalent in cash, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1916, is "The American Comedy from 1800 to 1865."

Curtis An endowment fund of $1000 established by the late Samuel Putnam Avery, an associate of George William Curtis in the work of civil service reform, provides for the award of two medals of gold and silver, or the equivalent in cash, to students in Columbia College for excellence in public delivery of English orations. Competitors must be either third- or fourth-year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The award will be made by judges appointed by the President.

Illig A bequest of $2000 left by William C. Illig, E.M., '82, provides for the annual award of medals at Commencement to the student, or students, in the graduating class of the Schools of Mines, Engineering, and Chemistry, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

Society of Architects The Society of Columbia University Architects offers an annual medal for proficiency in advanced design.

Alumni Association (Medicine) The Alumni Association Prize of $500 is awarded biennially (next award, 1916) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award.

Alumni Association (College) A prize of $50 in money or its equivalent "to the most faithful and deserving student of the graduating class" was established in 1885 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

Bennett A prize established through a gift of $1000 from Mr. James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States. The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subject for 1915 is "Amendments to State Constitutions."

Cartwright

The Cartwright Prize of $500 was endowed by a bequest of $10,000 by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize. It is awarded on the same terms as the latter, except that it is open to general competition.

Chanler

By the bequest of J. Winthrop Chanler, A.B., '47, the income of $1000 is awarded annually, at Commencement, to the member of the graduating class of Columbia College, who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1915 being "Efforts at Conciliation by the British Government during the Revolution."

Convers

A prize, known as the E. B. Convers Prize, the annual income of the sum of $1000, has been established in the School of Law in memory of E. B. Convers, of the Class of '66. This prize is awarded annually to such member of the graduating class in the Law School as may write the best original essay on some legal subject to be chosen from a list of ten subjects prepared each year by the Faculty of Law or on any other legal subject approved by the Faculty.

Darling

The Edward A. Darling Prize in Mechanical Engineering, the income of $1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, is awarded annually to the most faithful and deserving student of the graduating class in Mechanical Engineering. The recipient of the prize is to be chosen by ballot, by members of the graduating class in the course in Mechanical Engineering, from among three names to be chosen by the Faculty of Applied Science.

Earle

A prize of $50 established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It will be awarded partly on the basis of the regular work of the year in Greek and in Latin, partly on the basis of a special examination held in May or June. The special examination will cover specified portions of Greek and Latin literature, sight-reading in Greek and in Latin, and prose composition in Greek and in Latin.

Einstein

A prize known as the Einstein prize in American Diplomacy was established by Dr. and Mrs. Charles Waldstein in memory of Mr. and Mrs. D. L. Einstein. The prize is awarded annually at Commencement to that student who having been regularly enrolled in the University as a candidate for a degree for not less than two academic years shall be deemed by the Department of Public Law to have done the best and most original work in American Diplomacy.

Elsberg A prize to be known as the Albert Marion Elsberg Prize, established by Mrs. Albert Elsberg in memory of her son, Albert Marion Elsberg, of the class of '05, shall be awarded annually to that student who, having been regularly enrolled in Columbia College as a candidate for a degree for not less than one academic year, shall be recommended by the Department of History for excellence in Modern History. The prize shall consist of a medal and, at the option of the winner, $50 or books having that value.

Seminary The Protestant Episcopal Society for Promoting Religion and Learning in the State of New York have established two prizes, known as the Society's Greek Seminary Prize of $30, and the Society's English Seminary Prize of $20, with the stipulation that notice shall be given every year of the conditions of the prizes under the old regulations and applications be invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College.*

Loubat Mr. Joseph F. Loubat has endowed two prizes of $1000 and $400, respectively, for the best works published in the English language upon the history, geography, archaeology, ethnology, philology, or numismatics of North America. The next award will be made in 1918. Competition is open to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatise shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted.

Ordronaux A prize to be known as the Ordronaux Prize in Law is, by vote of the Faculty, awarded annually to the candidate for the degree of Bachelor of Laws of at least one year's standing on the basis of general proficiency in legal study.

Rolker A prize to be known as the Charles M. Rolker, Jr., Prize, to be publicly awarded on Class Day, is provided for by the gift of Mrs. C. M. Rolker in memory of her son, Charles M. Rolker, Jr., of the Class of '07. The income of the fund is to be awarded to the member of the graduating class of Columbia College deemed by his classmates the most worthy of special distinction as an undergraduate student, because of scholarship, participation in student activities, pre-eminence in athletic sports, or in any combination of these.

Smith

The Smith Prize was established by the relatives, friends, and pupils of Dr. Joseph M. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of $100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College of Physicians and Surgeons. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

Squires

The Grant Squires Prize, the income for five years of a fund of $1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology and one of the Professors of Political Economy appointed by the Faculty of Political Science. The next award will be in 1915. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

Stevens

The Stevens Triennial Prize, value $200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition. The next award is in 1915. The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology are, ex-officio, the administrators of the prize. Essays must be in the hands of the first named on or before January 1 of the year of award.

Stokes

A prize of $40, to be known as the Caroline Phelps Stokes Prize, is awarded annually to that student who having been regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree for not less than one academic year shall be deemed to have written the best essay upon the Rights of Man as the committee of selection shall determine.

Toppan

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of $4000, in memory of Robert Noxon Toppan, LL.B., '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

Van Amringe

A prize known as the Professor Van Amringe Mathematical Prize was established by George G. Dewitt of the Class of '67 by a gift of $5000. The annual income of the fund is awarded at Commencement to that student who, having been regularly enrolled in Columbia College as a candidate for an academic degree for not less than one academic year and a half, and not more than two academic years, shall be deemed most pro-

ficient in the mathematical subjects designated during the year of award for Freshmen and Sophomores in the College. The examinations for the prize shall be held annually under the direction of the Department of Mathematics.

Van Buren A prize known as the John Dash Van Buren, Jr., Prize in Mathematics was established by Mrs. Louis T. Hoyt in memory of her nephew, John Dash Van Buren, Jr., a member of the Class of '05. The annual income of $5000 is awarded to the candidate for an academic degree who passes the best examination in analytical geometry, differential and integral calculus, and in such additional subjects as the Department of Mathematics may prescribe.

BARNARD COLLEGE

Scholarships There are forty-one scholarships for the benefit of students who need financial aid. For a detailed statement of their values, the conditions under which they are awarded, and the regulations regarding applications, see the current *Announcement of Barnard College.*

The competitive scholarships, awarded for excellence in entrance examinations or in college work, are as follows:

1. Open to entering Freshmen: Trustees' Competitive Scholarship; Jessie Kaufmann Scholarship; Brooklyn Scholarships (12); Lucille Pulitzer Residence Scholarships (3); Lucille Pulitzer Non-Residence Scholarships (3); Martha T. Fiske Scholarship.

2. Open to students who have passed at least one year in college: Eleanora Kinnicutt Scholarship; Emma A. Tillotson Scholarship; William Moir Scholarships (2).

The non-competitive scholarships, awarded to students needing financial aid and, as a rule, only to those who have passed at least one year in college, are as follows:

The Ella Weed Scholarship, the Veltin School Scholarship, the Jennie B. Clarkson Scholarship, the Emily James Smith Scholarship, the Anna E. Barnard Scholarship, the Brearley School Scholarship, the Eliza Taylor Chisholm Memorial Scholarship, the Graham School Scholarship, the Mrs. Donald McLean Scholarship, the Emma Hertzog Scholarship, the Mrs. Henry Clarke Coe Scholarship, the Mary Barstow Pope Scholarship.

There are four funds, the Arthur Brooks Fund, the Fiske Scholarship Fund, the George W. Smith Scholarship Fund, and the Charles Stewart Smith Scholarship Fund, available for needy and deserving students.

For a statement in regard to the conditions under which honors are awarded, see the current *Announcement of Barnard College.*

Fellowship A graduate fellowship is awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. The fellowship is of an annual value of $600. The holder

is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship will be awarded each year as soon as possible after the mid-year examinations. Students who have been graduated in February will be eligible, as well as those who are to be graduated in June..

For a statement in regard to prizes and the conditions governing their award, see the current *Announcement of Barnard College.*

TEACHERS COLLEGE

Teachers College awards annually a number of fellowships, forty or more scholarships and a number of grants for foreign research, all of which, except where special announcement is made to the contrary, are open alike to men and women.

Fellowships

A special Fellowship Fund, of not less than $4,000 is assigned annually at the discretion of the Faculty to Fellows and Research Scholars; the normal assignment to a fellowship being $500, and to a research scholarship $250. Applications for fellowships must be addressed to the Secretary of Teachers College, prior to March 1 preceding the academic year for which the appointment is desired, on blank forms which may be had upon request.

Scholarships

Eight or more graduate scholarships, each of the annual value of $150, for the term of one year, are awarded on the same general conditions as the fellowships. They may be renewed for a second term of one year in case the holder gives evidence of superior ability.

Teachers College established in 1910 a Foreign Research Fund to aid competent students in investigating special phases of education in foreign countries. In general this fund of $1000 will be divided annually among several students so as to pay the extra cost of traveling and residence abroad. Recipients of grants will work under the direction of the professor in charge of the course in comparative education. On their return they will be required to submit the result of their investigations in a form suitable for publication.

The following undergraduate and special scholarships are awarded annually. Applications should be made in the same manner as for graduate scholarships, on blank forms provided by the Secretary of the College, to be returned for consideration prior to April 1 preceding the academic year for which the appointment is sought:

The Tileston Scholarship of the annual value of $75, founded by Mrs. Peter M. Bryson.

The Shackleford Scholarship of the annual value of $75, founded by the Misses Shackleford.

The Pierrepont Scholarship of the annual value of $75, founded through Miss Annie L. Pierrepont.

The Pond Scholarship of the annual value of $75, founded and endowed by Mrs. Frank Porter.

The Charlotte Louisa Williams Scholarship (open only to women), of the annual value of $150, founded and endowed by Mrs. Peter M. Bryson and Miss Grace H. Dodge.

The Earl Scholarship (open only to men), of the annual value of $150.

The Hoadley Scholarship of the annual value of $150.

The Runyan Scholarship, established from the income of a fund given in memory of Mary Duncan Runyan, Professor of Kindergarten from 1897–1905.

The Livingston Scholarships, from a fund of the annual value of $1,000.

The Delta Sigma Alumnae Scholarship of the annual value of $75, given by the Delta Sigma Alumnae Association.

The Caroline Scholarship in Domestic Science, of the annual value of $200, founded and endowed by Miss Caroline Phelps Stokes.

The Isla Stewart Scholarship, established by the alumnae of the Nurses School of Saint Bartholomew's Hospital, London, awarded annually to one of their number.

Household and Industrial Arts Scholarships, from a fund of the annual value of $1,000.

The Isabel Hampton Robb Scholarship of the annual value of $250, given by Mrs. Helen Hartley Jenkins.

The Army and Navy Scholarship, founded by the Society of the Daughters of the Cincinnati, awarded annually to the daughter of an officer of the regular army or navy of the United States.

Prizes A prize of $50 in gold and a silver medal is awarded annually by the Society of Colonial Dames to that student of Teachers College who presents the best essay on a topic connected with the colonial history of America. Papers must be presented to the head of the department of history on or before April 20. The topics are publicly announced several months in advance.

A prize of $100 is awarded annually by the United Daughters of the Confederacy to that student of Teachers College who presents the best essay on a topic connected with the activity of the South before or during the war between the States. Papers must be presented to the head of the department of history on or before April 20. The topics are announced several months in advance.

FELLOWS AND SCHOLARS 1914–1915

University Fellows

George Boas ..... *Philosophy*
Calvin Blackman Bridges ..... *Zoölogy*
Paul Frederick Brissenden ..... *Economics*
Wallace Everett Caldwell ..... *Ancient History*
Clifford Harrison Farr ..... *Botany*
Frank Gavin ..... *Semitic Languages*
Julius Goebel ..... *International Law*
Walter James Graham ..... *English*
Herman Karl Haeberlin ..... *Anthropology*
Percy Withers Punnett ..... *Chemistry*
Joseph Fels Ritt ..... *Mathematics*
Russell Gordon Smith ..... *Sociology*

Tyndall Fellows

1891–92 William H. Freedman
1892–93 Charles R. Mann
1894–95 Charles R. Mann
1895–97 Walter Wheeler Cook
1897–98 No incumbent
1898–1901 Robert Bowie Owens
1901–03 Bergen Davis
1903–04 Frank Leo Tufts
1904–07 Frederic Columbus Blake
1907–08 George B. Pegram
1908–09 Harold Worthington Webb
1909–11 Henry Howard Marvin
1911–12 Andrew Warren Jackson
1912–13 William Stockton Nelms
1912–13 Benjamin Liebowitz
1914–15 Winthrop Robins Wright

Barnard Fellows

1894–96 William Lispenard Robb
1896–97 No incumbent
1897–1900 Heinrich Ries
1900–03 John Alexander Mathews
1903–05 William Campbell
1905–07 Clarence Whitney Kanolt
1907–08 Harold Worthington Webb
1908–11 Clement S. Brainin
1911–12 George Addison Bole
1912–13 Edward Schramm
1913–14 Benjamin Liebowitz
1914–15 Gustav Egloff

Adams Research Fellows

1905–07 Ernest Fox Nichols
1907–09 Bergen Davis
1909–11 Clark Wells Chamberlain
1911–14 Robert W. Wood
1914–15 S. Alfred Mitchell

Fellow of Archaeology and Ethnology

1913–14 Paul Radin
(First half of Academic Year)

Class of '70 Fellow

1896 Lewis Buffett Carll

Curtis Fellows

1901–02 James Wilford Garner
1902–04 Charles Austin Beard
1904–06 Charles Grove Haines
1906–07 No incumbent
1907–08 Edward McChesney Sait
1908–09 Blaine Free Moore
1910–11 Sydney D. Moore Hudson
1911–12 Samuel Mack Eastman
1913–14 Robert Eugene Cushman
1914–15 Spencer Miller, Jr.

Drisler Fellows

1894–96 John Kasson Lathrop
1896–97 George N. Olcott
1897–98 William T. F. Tamblyn
1898–99 Corliss Fitz Randolph
1899–1900 Edward Charles Harwood
1900–01 Bert Hodge Hill
1901–02 No incumbent
1902–03 Harwood Hoadley
1903–04 Walter Whipple Arnold
1904–05 No incumbent
1905–06 Macon Anderson Leiper
1906–08 Charles Jones Ogend
1908–10 Hubert McNeill Poteat
1910–11 Irving Comes Demarest
1911–13 Rhys Carpenter
1913–14 Clarence Augustus Manning
1914–15 Frank Michael Debatim

McKim Fellows

1912–13 William Carson Francis
1913–14 Erich Gugler

Garth Fellows

1905–06 Meyer Jacobstein
1906–07 James Henry Gilbert
1907–08 Louis Dwight Harwell Weld
1908–09 Solomon Vineberg
1909–10 Edward Henry Lewinski
1910–11 Benjamin McAlester Anderson
1910–11 Frank Hatch Streightoff
1911–12 Robert Murray Haig
1912–13 Prabhaker S. Shilotri
1913–14 Edwin Clyde Robbins
1914–15 Robert James McFall

Gottsberger Fellows

1905–06 George Christian Otto Haas
1907–08 Meyer Jacobstein
1909–10 Ralph Watson Dox
1910–11 William Stuart Messer
1911–12 Fremont Amasa Higgins
1913–14 Fremont Amasa Higgins

Mosenthal Fellows

1899–1901 Mary Angela Diller
1902–04 Frank Edwin Ward
1904–05 Benjamin Lambord
1906–07 William Jacob Kraft
1908–09 Franz Bellinger
1910–11 Edward Betts Manning
1912–13 Edward Kilenyi
1914–15 Meyer Silver

1900–03	John Erskine	**Proudfit Fellows in Letters**
1903–05	Stanley Kidder Wilson	
1905–06	No incumbent	
1906–07	Charles Frances Lawson	
1907–10	Ernest Hunter Wright	
1910–11	Geddes Smith	
1911–12	Nelson Burroughs Gildersleeve	
1912–13	Elbridge Colby	
1913–14	Archie Austin Coates	
1914–15	No incumbent	
1898–1900	William Henry Fry	**Schiff Fellows**
1900–01	Walter Percy Bordwell	
1901–02	Ulrich Bonnell Phillips	
1902–03	George Charles Selden	
1903–04	Preserved Smith	
1904–05	Norris Arthur Brisco	
1905–06	Charles Ramsdell Lingley	
1906–07	Samuel G. Nissenson	
1907–08	Carl F. L. Huth	
1908–09	Leonard Scott Blakey	
1909–10	Charles Elmer Gehlke	
1910–11	Benjamin Burks Kendrick	
1911–12	Henry Elmer Hoagland	
1912–13	Raymond Robert Ammarell	
1913–14	Donald Skeele Tucker	
1914–15	Harold Warren Crandall	
1902–03	John Louis Kind	**Carl Schurz Fellows**
1904–05	Allen Wilson Porterfield	
1906–07	Henry Hermann Louis Schulze	
1908–09	Percy Gaines Craig	
1909–10	Henry John Skipp	
1910–11	Will Carson Ryan, Jr.	
1912–13	David Percy Gilmore	
1914–15	Otto Emil Plath	
1908–10	Irving Comes Demarest	**Mitchell Fellows**
1910–11	Maurice Picard	
1911–12	Lester Saunders Hill	
1912–13	Randloph Silliman Bourne	
1913–14	Parker LeRoy Moon	
1914–15	Clinton Mindil Pang	
1909–10	Edward Calvin Kendall	**Goldschmidt Fellows**
1910–11	Almer McDuffie McAfee	
1911–12	Harold Edward Woodward	
1912–13	John Seaman Bates	
1913–14	Clarke Edwin Davis	
1914–15	Clive Morris Alexander	
1911–12	William Shepherdson	**Gilder Fellows**
1912–13	Arnold Johnson Lien	
	Lyman B. Veeder	
1913–14	Randloph Silliman Bourne	
	Frank Alexander Ross	
	Paul Willard Garrett	
1914–15	Parker LeRoy Moon	
	Fred William Eckert	
	Frank Alexander Ross	
1911–14	Carl Haner	**Industrial Research Fellow in Chemistry**
1912–14	E. K. Strong	**Advertising Research Fellow**

University Scholars

CULLEN ADLERBLUM.....*Botany*
ROBERT THOMAS AITKEN.....*Anthropology*
RAYMOND CASPAR BENDER.....*History*
MARION J. BRADSHAW.....*Philosophy*
HENRY CARL BRENNECKE.....*German*
DEAN R. BRIMHALL.....*Psychology*
ROBERT WILLIAM BUCK.....*German*
GEORGE OSCAR FERGUSON, JR.....*Psychology*
WALTER EDWARD GABY.....*Geology*
HENRY EWART GRIMSHAW.....*History*
CLARENCE PEAVY HARRIS.....*Chemistry*
ALEXANDER MARCUS.....*Physics*
JAMES DOW MCCALLUM.....*English*
CLAUDIUS TEMPLE MURCHISON.....*Economics*
VICTOR HERBERT SCHLEICHER.....*History*
JACOB SCHMUCKLER.....*Economics*
LAMBERT ARMOUR SHEARS.....*German*
RANDOLPH SOMERVILLE.....*English*
JOSEPH JOHN TANZOLA.....*Mathematics*
ALEXANDER WEINSTEIN.....*Zoölogy*

President's University Scholars

GEORGE EVERETT GILL.....*Economics*
DAVID SHELTON KENNEDY.....*Political Science*
HARRY LANGMAN.....*Mathematics*
LAWRENCE TYNDALE LOWREY.....*American History*
HAROLD H. PLOUGH.....*Zoölogy*
FREDERICK SCHLEITER.....*Philosophy*
JOHN HENRY WELLENKAMP.....*Classical Philology*
BENJAMIN ALLEN WOOTEN.....*Physics*

Curtis University Scholars

SOPHIE TOWNSEND ANDREWS.....*German*
BELLE DOUGLASS BOYSON.....*History of Thought and Culture*
MIRIAM EULALIE OATMAN.....*Sociology*
CLARA CROSBY WARE.....*Zoölogy*

Butler Scholars

1904–07 OTHO LEE MONROE
1907–09 JOHN SHERMAN ROBINSON
1909–10 HOWARD DWIGHT SMITH
1910–11 GEORGE DENTON BEAL
1911–14 GEORGE GIVEN HOLLINGSHEAD
1914–15 ROBERT JENNINGS RIGGS

Jones Scholars

1898–99 FRANCIS BERTODY SUMNER
1899–1900 JOHN CUTLER TORREY
1900–01 FREDERICK CLARK PUALMIER
1901–02 WILLIAM E. KELLICOTT
1902–03 CHARLES ZELENY
1903–04 LOUIS I. DUBLIN
1904–05 CHARLES RUPERT STOCKARD
1905–06 JOHN HOWARD MCGREGOR
1906–07 DAVID DAY WHITNEY

1907–08 Charles V. Morrill
1908–09 David Day Whitney
1909–11 Aaron Franklin Shull, Jr.
1911–12 Alfred Henry Sturtevant
1912–13 James P. Kelly
1913–14 Charles William Metz
1914–15 Calvin Blackman Bridges

Special Alumni Association Scholars

Columbia College
D. L. Rehlaender.....Northern New York
E. C. Meagher.....New Jersey
James B. Gibson.....Buffalo
Schools of Mines, Engineering and Chemistry
P. D. Browning.....Philadelphia

Barnard Medal Awards

Émilie Demant Hatt
Gudmund Hatt
K. Gunner Silverstolpe

1895 Lord Rayleigh and Professor William Ramsay
1900 Professor Wilhelm Conrad von Röntgen
1905 Professor Henri Becquerel
1910 Professor Ernest Rutherford

Loubat Prizes

Award of 1893: First Prize, "History of the United States of America during the Administration of Jefferson and Madison," by Henry Adams
Second Prize, "Report of Investigation among the Indians of the Southwestern States," by A. F. Bandelier

Award of 1898: First Prize, "Stone Implements of the Potomac-Chesapeake Tidewater Province," by William Henry Holmes
Second Prize, "The Social Organization and the Secret Societies of the Kwakiutl Indians," by Franz Boaz, Ph.D.

Award of 1908: First Prize, "The American Colonies in the Seventeenth Century," by Herbert Levi Osgood, Ph.D., LL.D.
Second Prize, "The History of the Society of Jesus in North America," by Rev. Thomas Aloysius Hughes, S.J.

Award of 1913: First Prize, "The Old British Colonial System," by George Louis Beer, A.M.
Second Prize, "The Indian Tribes of the Lower Mississippi Valley," by John Reed Swanton, Ph.D.

Dallas Selwyn Townsend — **Einstein Prize**

Gullie B. Goldin — **Toppan Prize**

Edwin Hermann Zeydel — **Earle Prize in Classics**

Philolexian Prizes

Essay: Hoxie Neale Fairchild

Debating: First Prize, Carlyle Marlett Keyes
Second Prize, Hoxie Neale Fairchild

Oratory: First Prize, Carlyle Marlett Keyes
Second Prize, Hoxie Neale Fairchild

Scholarships and Prizes

COLUMBIA COLLEGE

Alumni Competitive Scholars

Class of 1915—F. W. Jewett, Silvis Minoli
Class of 1916—Cincinnati Laguardia
Class of 1917—R. F. Kane
Class of 1918—John G. Sbarboro

Hewitt and Harper Scholars

Class of 1915—Alfred L. P. Frery
Class of 1916—Wendell G. Fogg
Class of 1917—John C. Schweitzer
Class of 1918—Philo A. Statton

Brooklyn Scholars

Class of 1915—David Rothenberg, Lazarus Marcus, Wm. B. Shealy
Class of 1916—John H. Weaver, Isidore Rotgard, Andrew Pranspill
Class of 1917—J. Levine, Geroine M. Cudlipp, Alize A. Hassan, C. A. Hammerstrom
Class of 1918—Jacob S. Langstorm, W. Harvey Wells, James C. Giacomo

Prize of the Alumni Association

Names submitted in 1914

Fred Allen Beidleman
Albert Cyril Rothwell (Selected)
Garibaldi Laguardia
Adelbert F. Smithers
Herbert Theleratii Wuskotten

Curtis Medals

Gold Medal—Isador Baer Levine
Silver Medal—Samuel Irving Rosenman

Van Buren Prize

Walter E. Curt

Bolker Prize

Adelbert F. Smithers

Elsberg Prize

Henry Ernest Grimshaw

Van Amringe Prize

Leo Stern

Green Prize

Edwin Hermann Zeydel

Stokes Prize

Nicholas Bucci

Highest Final General Honors

Honors

J. Malcolm Bird
Ralph Colp
Pincus Hirschcopf
Eugene Klein
Milton Kadison
Jacob J. Lind
Parker Leroy Moon
Alan De Forest Smith
James Perry Wilson

General Honors

Carlyle Reginald Barnett
Alfred L. Berheim
Elbridge Colby
James Wilford Foote
Walter Scott Kupfer
Albert Levitt
David H. Moskowitz
Hyman Aaron Osserman
Henry Vogel Shelley, Jr.
Gerald Spencer Shibley
John Henry Wellenkamp
Sinclair Joseph Wilson

SCHOOL OF LAW

Beck Prize

1900–1901—Charles R. Ganter
1901–1902—Henry Starr Giddings
1902–1903—H. H. Babcock
1903–1904—E. L. Beatty
1904–1905—John M. Griffith
1905–1906 Charles B. Shelton
1906–1907 Robert Leroy
1907–1908 Charles M. Travis
1908–1909 Edward H. Hart
1909–1910 Wilder Goodwin
1910–1911 Jerome Michael
P. S. Andrews
E. P. Grosvenor
1911–1912 F. P. Ferguson
Gardner P. Lloyd
1912–1913 Samuel G. Levinson
Tracy S. Voorhees
Richard R. B. Powel
1913–1914 Carl E. Erpf-Lefkovics
Gullie B. Goldin
1914–1915 Carl E. Erpf-Lefkovics
Gullie B. Goldin
Merrill N. Gates

Converse Prize

Charles E. Hobart
Tracy S. Voorhees

Ordronaux Prize

Theodore Stanwood Kenyon
Andrew Penn Martin

SCHOOL OF MEDICINE

Proudfit Fellows

1904–1908 Linsly Rudd Williams
1909–1912 Edwards A. Park
1912–1915 Russel L. Cecil
1913–1916 S. T. Fortuine

Devendorff Scholars

1913 Samuel Clark Harvey

Alonzo Clark Scholars

1914 J. Howard Mueller

SCHOOL OF MINES, ENGINEERING AND CHEMISTRY

Daly Scholars

1904–1908 Henry Farmer Davis
1908–1911 Cornelius G. Sullivan
1911–1915 Frederick S. Wright

Illig Medals

John Cornelissen
William Westerfield Havens
William John Krefeld

Darling Prize

Arthur Emmanuel Petersen (Selected)
Francis Bertram Schmidt
James Alexander Stewart

SCHOOL OF ARCHITECTURE

Columbia Fellows

1890–1891 Arthur A. Stoughton
1892–1893 Horace B. Mann
1894–1895 Seth Justin Temple
1896–1897 William Kinne Fellows
1898–1899 William Clark Ayres

	1900–1901	Theodore Blondel, Jr.	1909–1910 William Lawrence Bottomley
	1902–1903	Arthur Ware	1910–1911 Gerard Pitt
	1904–1905	Hubert Van Wagenen, Jr.	1911–1912 Wilbur Nicholas Albertson
	1905–1906	Thomas William Ludlow	1911–1912 Wilbur N. Albertson
	1906–1907	Emilio Levy	1912–1913 No award
	1907–1908	No award	
	1908–1909	Edward John Stork	
McKim Fellows	1891–1892	A. C. M. del Monte	1903–1904 Francis Augustus Nelson
		Alexander M. Welch	George Washington Jacoby
	1893–1895	George Oaklet Totten, Jr.	1904–1905 No incumbent
		William Lincoln Thorne	1905–1907 Lucien Easter Smith
	1895–1897	John Russell Pope	1907–1909 William Lawrence Bottomley
	1897–1898	Harry Allan Jacobs	1910–1911 Charles Theodore Emile Dieterlen
	1898–1899	John Russell Pope	1911–1913 William C. Francis
		Harry Allan Jacobs	1913–1914 Erich Gugler
	1899–1901	Livingston Pell	1914–1915 Erich Gugler
		William Edward Parsons	
	1901–1902	Charles Ludwig Ott	
		Edward Necarsulme	
Perkins Fellows	1902–1903	Charles Sumner Kaiser	1910–1911 H. D. Smith
	1906–1907	Arthur Lobo	1914–1915 Paul Schulz

Medal of the Society of Columbia University Architects

Paul Schulz

BARNARD COLLEGE

Trustees' Competitive Scholarship: Charlotte Dickson

Jessie Kaufmann Scholarship: Hedroig Augusta Koernig

Brooklyn Scholarships:

Alice Mortimer Bailey	Eleanor Wilson Parker
Ruth Edith Budinoff	Georgina Ida Stickland
Dora Kahn	Mabel Weil
Edna Lonigan	Katharine Williams

Lucille Pulitzer Residence Scholarships:

Gladys Marie Cripps	Louise Talbot
Eleanor Heermance Hubbard	Gladys Louise Palner

Lucille Pulitzer Non-residence Scholarships:

Sophia Amson	Dorothy Marguerite Blondel

Grace Richardson Merritt

Martha T. Fiske Scholarship: Helen Shelby Holbrook

Eleanora Kinnicutt Scholarship: Lillian Soskin

Emma A. Tillotson Scholarship: Margaret Christina King

William Moir Scholarships:

Madeleine Dillay Edna Mary Henry

Graduate Fellowship: Caroline Austin Duror

Graduate Scholarship: Louise Elizabeth Adams

Herman Botanical Prize: Cornelia Lee Carey

Kohn Mathematical Prize: Estelle De Young

Jenny A. Gerard Gold Medal: Daisy Marie Appley

Speranza Prize in Italian: Anna Marguerita Paddock

Von Wahe Prize: Margaret Peck

Thomas Prize in French: Harriet Winship Poore

Chi Omega Prize: Lillian Soskin

Honors

Departmental

Chemistry: Ida Pauline Roef, *First Year.*

Classical Philology: Isabel Dean, *First Year* (*Latin*); Sarah Elvina Delano Sturges, *Third Year*

English: Emily Gordon Lambert, *Second Year;* Lillian Soskin, *Second Year*

French: Betty Reba Alexander, *First Year;* Alice Marie-Louise Brett, *Second Year;* Amalia Francesca Gianella, *First Year;* Margaret Christina King, *First Year;* Eleanor Newton Wallace, *First Year*

German: Sophie Ida Bülow, *Final;* Lucy Grace Cogan, *Second Year;* Beatrice Danzig Heinemann, *Final;* Elizabeth Palmer, *Second Year;* Olga Marx, *First Year;* Lillian Soskin, *Second Year*

History: Jeanne H. Jacoby, *First Year;* Margaret Peck, *Third Year*

Mathematics: Estelle De Young, *Final;* Clara Lillian Froelich, *Second Year;* Gertrude Madeline Rolf, *First Year;* Mabel Weil, *First Year*

Philosophy: Clara Mayer, *First Year*

Physics: Gertrude Madeline Raff, *Final;* Mabel Weil, *First Year*

TEACHERS COLLEGE

Graduate Research Scholars for 1914–1915

Robert Alexander Cummins William Anderson McCall
Bessie Lee Gambrill Robert Alex. Fyfe McDonald
Charles Templeman Loram Agnes Low Rogers
Marion Rex Trabue

Graduate Scholars

Flora E. Balch Stuart Grayson Noble
Charles Harvey Brady Margaret Maria Stevens
Ellen I. Burk Howard Cromwell Taylor
George Ezra Carrothers Willard F. Tidyman

Marion Stuart Hanckel
Gadariné Haronian
George Frederick Miller
Margaret Elizabeth Wells
Anna M. Wiecking
Clifford Woody

Undergraduate Scholars

Tileston Scholar: Florence Eilan Bamberger
Shackleford Scholar: Mildred Adelaide Boardman
Pond Scholar: Frances Helen Clark
Charlotte Louisa Williams Scholar: Ida May Bennett
Hoadley Scholars: E. Annette Hinds, Margaret Hamerik Holmes
Runyan Scholar: Edith Gail Harrison

Livingston Scholars

Hagop Boghossian
Arthur William Billings
Isabel Blake
Bertha W. Clark
S. Paul Chinappa
Toki Iwasawa
Tuk Su Kim
Fung Hiu Liu
James H. Nicol
Ruth Evelyn Robinson
Warren Horton Stuart

Undergraduate Scholars

Hannah Amanda Kieffer
Amy Irene Shaw
Caroline Scholar: Mabel Lutes

Scholars in Practical Arts

Elizabeth M. Barkley
Mary Barry
Margaret Christina Becker
Dorothy Irwin Bell
Alice Evans Blair
Sarah Deborah Haines
Mrs. Elva Dawson Hoover
Louisa Haven Sheafe Lawton
Belle Haven Northrup
Ethel Augusta Pentecost
Alta Albertine Polley
Isabel Fitz Randolph
Christine Norad South
Mary Rebecca Uhl
Army and Navy Scholar: Harriet P. Bache

Isabel Hampton Robb Scholars

Grace E. Allison
Hjordis Eklund

Isabel Hampton Robb Memorial Fund Scholars

Mary L. Wakefield
M. Louise Beatty
Mary F. Laird

Foreign Scholars

Carmen de Goenaga
Lucilla Mercado
Ernestina Saliva
Radhabai Powar
Timothy Tingfang Lew

Prizes

Colonial Dames: Mary C. Keith
United Daughters of the Confederacy: Marguerite Van der Au

COLLEGE OF PHARMACY

Award in 1914

Kappa Psi Gold Medal	Samuel R. Drapkin
Faculty Graduate Prize	Samuel R. Drapkin
Breitenbach Prize	Samuel R. Drapkin

EXCHANGE PROFESSORS

Theodore Roosevelt Professors

1906–07 John William Burgess, Ph.D., LL.D., Jur.D., *Ruggles Professor of Political Science and Constitutional Law.*

1907–08 Arthur Twining Hadley, Ph.D., LL.D., *President of Yale University.*

1908–09 Felix Adler, Ph.D., *Professor of Social and Political Ethics in Columbia University.*

1909–10 Benjamin Ide Wheeler, Ph.D., LL.D., *President of the University of California.*

1910–11 Charles Alphonso Smith, Ph.D., *Edgar Allan Poe Professor of English in the University of Virginia.*

1911–12 Paul S. Reinsch, Ph.D., *Professor of Political Science in the University of Wisconsin.*

1912–13 William M. Sloane, L.H.D., LL.D., *Seth Low Professor of History in Columbia University.*

1913–14 Paul Shorey, Ph.D., *Professor of Greek in the University of Chicago.*

1914–15 Henry Farnum, A.M., R.P.D., *Professor of Economics in Yale University.*

Visiting Professors in Austria

1913–14 George S. Fullerton, Ph.D., *Professor of Philosophy in Columbia University.*

1914–15 John William Burgess, Ph.D., LL.D., Jur.D., *Ruggles Professor of Political Science and Constitutional Law.*

Visiting Professor University of Paris

1913–14 William D. Guthrie. A.M., *Ruggles Professor of Constitutional Law in Columbia University.*

Kaiser Wilhelm Professors

1906–07 Hermann Schumacher, Jur.D., *Professor of Political Economy in the University of Bonn.*

1907–08 K. G. Rudolf Leonhard, J.U.D., *Professor of Legal Science in the University of Breslau.*

1908–09 Albrecht F. K. Penck, Ph.D., Sc.D., *Professor of Geography in the University of Berlin.*

1909–10 Carl Runge, Ph.D., *Professor of Applied Mathematics in the University of Göttingen.*

1910–11 Ernst Daenell, Ph.D., *Professor of Modern History in the University of Kiel.*

1911–12 Josef Schick, Ph.D., *Professor of English Philology in the University of Munich.*

1912–13 FELIX KRUEGER, Ph.D., *Professor of Experimental Psychology in the University of Halle.*
1913–14 KARL F. TH. RATHGEN, Ph.D., *Professor of Political Economy in the Colonial Institut, Hamburg.*
1914–15 THEODORE NIEMEYER, Jur.D., *Professor of International Law in the University of Kiel.*

Visiting French Professors

1911–12 GUSTAVE LANSON, Litt.D., *Professor of the History of Literature in the University of Paris.*
1912–13 HENRI BERGSON, Litt.D., *Professor of Philosophy in the University of Paris.*
1913–14 JEAN PERRIN, Sc.D., *Professor of Physical Chemistry in the University of Paris.*
1914–15 ALBERT G. DE LAPRADELLE, Ph.D., *Professor of International Law in the University of Paris.*

Visiting Austria Professors

1913–14 JOSEF SCHUMPETER, Jur.D., *Professor of Political Economy in the University of Graz.*
1914–15 EUGENE OBERHUMMER, Ph.D., *Professor of Geography in the University of Vienna.*

STATED LECTURESHIPS

Beer Lecturer

1910–11 Leonard T. Hobhouse, A.M.—Social Evolution and Political Theory

Blumenthal Lecturers

1907–08 Albert Shaw, LL.D.—Practical Problems in American Politics
Woodrow Wilson, Ph.D., LL.D.—Party Government in the United States
1908–09 Jeremiah W. Jenks, Ph.D., LL.D—The Principles of Politics from the Viewpoint of the American Citizen
1909–10 Henry Jones Ford—Cost of National Government
Samuel W. McCall, LL.D.—The Business of Congress
1912–13 John Sharp Williams—The Permanent Influence of Jefferson on American Institutions

Carpentier Lecturers

1905–06 James Bryce, LL.D.—Law in Its Relations to History
1908–09 John Chipman Gray, LL.D—The Nature and Sources of the Law
1910–11 David Jayne Hill, LL.D.—The Problem of World Organization as Affected by the Nature of the Modern State
1911–12 Sir Frederick Pollock—The Genius of the Common Law
1913–14 Sir Courtenay Ilbert—The Mechanics of Law Making
1913–14 L. H. Baekeland, Sc.D.—Some Aspects of Industrial Chemistry

Hewitt Lecturers

1901–02 Professor Burr—Civil Engineering Subjects
1902–03 Professor J. G. Curtis—Physiology of the Nervous System and the Related Parts
1903–04 Professor Clark—The Problem of Monopoly
1904–05 Professor Trent—Six Writers of the 18th Century
1905–06 Professor Cohn—Republican France
1906–07 Professor Crampton—Doctrine of Evolution
1907–08 Professor Shepherd—South America
1908–09 Professor Gies—The Chemistry of Digestion
1909–10 Professor Lucke—Power
1910–11 Professor Lawrence—Social Ideal in Popular Stories
1911–12 Professor Shotwell—The Industrial Revolution
1912–13 Professor Montague—The Great Systems of Philosophy
1914–15 Dean Stone—Law and Its Administration

Jesup Lecturers

1905–06 Professor Osborn—The Evolution of the Horse
1908–09 Professor Maclaurin—Light
1910–11 Professor Lee—Scientific Features of Modern Medicine
1912–13 Professor T. H. Morgan—Heredity and Sex
1914–15 Professor Berkey—Origin and Meaning of Some Fundamental Earth Structures

THE ALUMNI FEDERATION

Complete reorganization of the alumni situation at Columbia was effected in the fall of 1913, when the Alumni Council constituted itself the Board of Directors of a new central body and took over all its duties. The purposes of the new Federation are to advance the interests and promote the welfare of Columbia University—by cultivating and fostering mutual relations among all alumni; by encouraging and assisting efficient organization of alumni bodies; by forming new associations and clubs; by disseminating among alumni and the general public through an efficient publication or otherwise accurate information about alumni and University affairs; by providing a recognized channel of communication between students, alumni, and University officers; by keeping the alumni informed with respect to undergraduate life and activities; by providing an alumni public keenly interested in them; by maintaining at the University a central alumni office; and by providing the machinery to nominate alumni trustees.

All members of the alumni associations of the various schools maintained by the Trustees of the University are eligible for School Membership in the Federation and any alumnus may become a General Member of the Federation. A payment toward the Endowment Fund of the Federation of one hundred dollars ($100), or multiples thereof, entitles an alumnus to be an Endowment Member of the Federation, which carries life privileges and a life subscription to the Alumni News. In 1914 the following were Endowment Members:

Benjamin B. Lawrence, '78 Mines
William Fellowes Morgan, '80, '84 Mines
Robert M. Olyphant, '42
Henry Kraemer, '95 Mines
Nicholas Murray Butler, '82
Willard V. King, '89
Charles F. Hoffman, '78
John C. Richardson, '83 Mines
George F. Butterworth, '74
A. M. Huntington, '08 Hon.
Norton Perkins, '01 L.
Herbert L. Satterlee, '83
A. H. Elliot, '81 Mines
F. L. Stetson, '69 L.
Edmund E. Wise, '83

There is a special class of Endowment Membership which provides for additions to the Endowment Fund of five hundred dollars ($500) or over, and an alumnus thus contributing is named a "FUNDOR." There is one "Fundor"—Charles Elihu Slocum, '69 P. and S.—and his contribution to the Endowment Fund is known as "The Charles Elihu Slocum, '69 P. and S. Alumni Federation Fund of Five Hundred Dollars." A class may become a "Fundor" upon payment of the sum of $250.00.

As a part of the programme of alumni reorganization, the Federation sent to every alumnus a copy of a circular, outlining the new plan, and a copy of the 1913 Commencement issue of the Alumni News. This created an extraordinary item of expense of about $6600 and a special membership of $10, or more, allowing General Membership privileges for one year and not obligatory for a period longer than one year, was created. About 150 so-called Sustaining Members were secured, and the reorganization expense was met except for about $1500.

The Federation also sets in motion the machinery which places in nomination before the University Trustees the candidates for alumni trusteeship. The Alumni Trustees in office in 1915 are: Benjamin Bowden Lawrence, '78 Mines; William Fellowes Morgan, '80, '84 Mines; James Duane Livingston, '80; Walter Mendelson, '79 M.; George L. Ingraham, '69 L. and Ambrose Dyer Henry, '84.

The Federation maintains an office in Room 311 East Hall which serves as a clearing house for all alumni activities. It publishes the *Columbia Alumni News*, the official alumni publication.

THE ALUMNI FEDERATION OF COLUMBIA UNIVERSITY

(To be Incorporated)

Officers

President: JOHN HOWARD VAN AMRINGE, '60.
Vice-President: WILLIAM CURTIS DEMOREST, '81, '83 L.
Treasurer: GUSTAVUS TOWN KIRBY, '95 Mines, '98 L.
Executive Secretary: LEVERING TYSON, '11 A.M., 311 East Hall, Columbia University.

Directors at Large

THOMAS B. STEARNS, '81 Mines—Colorado
ROBERT ARROWSMITH, '82—New Jersey
WILLIAM M. L. FISKE, '00—Illinois

From Columbia College

AMBROSE DYER HENRY, '84
CHARLES SEARS BALDWIN, '88
CHANNING RUST TOY, '04

From the School of Law

WILLIAM CURTIS DEMOREST, '81, '83 L
GUSTAVUS TOWN KIRBY, '95 Mines, '98 L
GEORGE BROKAW COMPTON, '09, '13 L

From the College of Physicians and Surgeons

J. Arthur Booth, '78, '82 M
Lucius W. Hotchkiss, '81 '84 M
George G. Cochran, '84 M

From the School of Mines

Charles Buxton Going, '82 Mines
Edgar G. Barratt, '84 Mines
Daniel E. Moran, '84 Mines

From the Doctors of Philosophy

Edmund S. Joy, '88 L, '92 Ph.D.
Herbert R. Moody, '01 Ph.D.
Charles A. Downer, '01 Ph.D.

School Associations

Association of the Alumni of Columbia College.—Ambrose D. Henry, '84, president; George Brokaw Compton, '09 '13 L, secretary, 420 West 119 Street.

Association of the Alumni of the College of Physicians and Surgeons.—Walter Mendelson, '79 M, president; Henry E. Hale '96 M, secretary, 770 West End Avenue.

Alumni Association of the Law School.—Francis Lynde Stetson, '69 L, president; Jarvis P. Carter, '02, '05 L, 32 Liberty Street, secretary.

Alumni Association of the Schools of Mines, Engineering, and Chemistry.—Benjamin B. Lawrence, '78 Mines, president; Ralph E. Mayer, '79 Mines, secretary, Columbia University.

Association of Doctors of Philosophy.—Edmund S. Joy, '88 L, '92 Ph.D., president; Adam Leroy Jones, '98 Ph.D., secretary, Columbia University.

Local Alumni Clubs

Buffalo.—W. J. Donovan, '05, '08 L, president; A. H. Hopkins, '08 F. A., secretary, German Insurance Company Building, Buffalo, New York.

Colorado.—Cyrus L. Pershing, '08 M, president; John E. Fetzer, '08 L, secretary, 824 Equitable Building, Denver, Colo.

Cuba.—Jose Primelles, '87 Mines, president; Leonardo Morales, '10 F. A., secretary, Aquira 65, Havana, Cuba.

District of Columbia.—Dr. Marcus Benjamin, '78 Mines, president; George Oakley Totten, Jr., '91 F. A., secretary, 808 Seventeenth Street, N. W., Washington, D. C.

Illinois.—William M. L. Fiske, '00, president; Dr. Emory Hill, '04, secretary, 122 South Michigan Boulevard, Chicago, Illinois.

Maryland.—N. Winslow Williams, '83 L, president; George C. Saunders, '98 S, secretary, 3012 Harford Road, Baltimore, Maryland.

Mexico.—Victor M. Braschi, '81 Mines, president; George W. Knoblauch, '03 S, secretary, P. O. Box 830, Cadena No. 2, Mexico City. Mexico.

Minnesota.—Charles N. Dohs, '94 L, president; R. T. La Vake '09 M, secretary, Pillsbury Building, Minneapolis, Minnesota.

New Jersey.—Arthur F. Egner, '03, president; William O. Wiley, '82, secretary, 432 Fourth Avenue, New York.

Northern New York.—Rev. Roelif H. Brooks, '00, president; Barnard S. Bronson, '08, '12 A.M., secretary, Albany Normal College, Albany, New York.

Omaha.—Harley G. Moorhead, '02 L, president; N. R. Brigham, '13 F. A., secretary, Y. M. C. A., Omaha, Nebraska.

Oregon.—Milton R. Klepper, '10 L, president; Louis P. Hewitt, '07 L, secretary, 615 Oregonian Building, Portland, Oregon.

Philadelphia.—Henry Kraemer, '95 Mines, president; H. F. Sanville, '92 Mines, secretary, Hale Building, Philadelphia, Pa.

Pittsburgh.—George S. Rice, '87 Mines, president; J. H. Marsching, '02 A.M., secretary, 1826 Frick Building, Pittsburgh, Pa.

San Francisco.—J. R. Clark, '95 M, president; John C. Spencer, '82, '85 M, secretary, Butler Building, San Francisco, Cal.

Southern California.—James H. Seymour, '83 M, president; Paul J. Pitner, '05 S, secretary, 917 Union Oil Building, Los Angeles, Cal.

Utah.—Alvah C. Lewis, '77 M, president; C. H. Doolittle, '85 Mines, secretary, 1242 East South Temple St., Salt Lake City, Utah.

Washington.—H. K. Benson, '07 Ph.D., president; Henry M. Ramey, '01 L, secretary, Central Building, Seattle, Washington.

Yonkers.—William Forster, '81, president; James P. Trotter, '04, '07 M, secretary, 189 Warburton Ave., Yonkers, New York.

Class Group Societies

(Not affiliated with Federation.)

Society of the Older Graduates.—Robert C. Cornell, '74, president; William deL. Benedict, '74 Mines, secretary, 19 Cedar Street, New York.

Society of the Early Eighties.—Francis E. Ward, '81 Mines, president; Girard Romaine, '82, secretary, 68 Broad St., New York.

Society of the Upper Eighties.—Charles H. Mapes, '85, '89 Mines, president; Edward L. Dodge, '88, secretary, 44 Court Street, Brooklyn, N. Y.

Last of the Forty-Niners.—Everett W. Gould, '96, 99 M., president; Frank S. Hackett, '99, secretary, Riverdale Country School, Riverdale-on-Hudson, N. Y.

UNIVERSITY PUBLICATIONS

I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

Annual Catalogue: See Table of Contents, pages iii-x. Issued each March. Price, 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication.

General Catalogue of the Alumni: issued sexennially; contains the names and addresses of all graduates of the University. The current edition is that of 1912. Price, $2.00. For sale at the University Press Bookstore and in the office of the Alumni Council.

A University Bibliography containing a list of publications, contributions, and serial studies from the University, a list of publications of the officers for the year 1914, and a list of journals issued under the editorial direction of the officers, will be published in March, 1915.

Announcements of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Columbia College, for the work for men leading to the degrees of Bachelor of Arts or Bachelor of Science.

School of Law, for the work leading to the degrees of Bachelor of Laws and Master of Laws.

College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

Schools of Mines, Engineering, and Chemistry, courses in Mining and Metallurgy, in Chemistry, and in Civil, Electrical, and Mechanical Engineering.

School of Journalism, for the work leading to the degree of Bachelor of Literature.

Faculties of Political Science, Philosophy, and Pure Science, for

all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

School of Architecture, for the work leading to the degree of Bachelor of Architecture.

Extension Teaching.

Residence Halls.

Summer Session.

Circular of Information as to Entrance Examinations and Admission.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars comprise Ancient and Oriental Languages; Biology; Chemistry; Geology, Geography, and Mineralogy; Music; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Philosophy, Psychology, and Anthropology.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degrees of Bachelor of Arts and Bachelor of Science.

Report of the Dean: issued annually.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcements of Teachers College: (Schools of Education and Practical Arts) issued annually; contains full information concerning the organization, equipment, and work of this institution.

Report of the Dean: issued each November.

Circulars of the Horace Mann Schools: two schools fully equipped with kindergarten, elementary, and secondary classes, maintained by Teachers College as schools of observation.

These circulars may be obtained without charge upon application to the Superintendent of the Horace Mann School.

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy: issued annually; contains full information concerning the organization, equipment, and work of this institution.

II. Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of the University and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)
WILLIAM H. CARPENTER, *Secretary*
JOHN B. PINE, *Treasurer*

Professors MATTHEWS, GIDDINGS, WILSON, TRENT, LEE, A. H. THORNDIKE, VAN HOOK.

III. Alumni and Student Publications at Columbia University

The Alumni Journal.—1893; published monthly in the interest of the Alumni Association of the College of Pharmacy; per copy, 10c.; per year, $1.

The Barnard Bear.—1905; a literary supplement to the Barnard Bulletin; stories, verse, essays, editorials; monthly, Nov. to June; per copy, 20c.; per year, $1.50.

The Barnard Bulletin.—1901; four pages, weekly, Barnard College news; per copy, 5c.; per year, $1.50.

The Columbia Alumni News.—1909; twelve pages, weekly; except June, July, August, and September, when it is published monthly; alumni, University, and faculty news; per copy, 10c.; per year $3.00. Geddes Smith, '10, '13 J, Managing Editor; Levering Tyson, '11, A. M.; Business Manager.

The Bulletin of the Society of Columbia University Architects.—1906; alumni notes, news of the School of Architecture, etc.; published irregularly; per copy, 10c.; per year, 25c.

The Columbia Bluebook.—1900; a small handbook, containing information in regard to every form of student activity at Columbia and an engagement calendar; published by the Christian Association and distributed free to all new students in the University each year.

The Columbia Jester.—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, $1.00 (by mail, $1.20).

The Columbia Law Review.—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School

of Law; monthly, November to June (70 pp.); per copy, 30c.; per year, $2.00.

The Columbia University Quarterly.—1899; a magazine of general University information; quarterly; averages one hundred and twenty pages; per copy, 30c.; per year, $1.00; C. S. Baldwin, Managing Editor.

The Columbian.—A bound, illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published by third-year men, elected from Columbia College and from the Schools of Applied Science. Volume XXIV was published by the class of 1914.

The Columbia Spectator.—1877; published daily, except Sunday, edited by a managing board of five, assisted by a board of six editors, and from twelve to twenty-five associate editors; per copy, 3c.; per year, $3.50.

The Dorms.—1906; a bulletin of affairs at the dormitories; eight pages, weekly during the college year; dormitory news, short articles, editorials, poems, cartoons; per copy, 5c.; per year, 75c.

The Household Arts Review.—1908; published three times a year by the Household Arts Club of Teachers College; articles on household arts topics, book reviews, college notes, editorials, illustrations; per copy, 20c.; per year, 50c.

The Mortarboard.—1897; an annual corresponding to the *Columbian* but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, $1.00.

The School of Mines Quarterly.—Published quarterly in the interest of the School of Mines; per copy, 25c.; per year, $2.00.

The Senior Class-Book.—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899, it has been continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.

Year-Book of the Columbia University School of Architecture.—1904; architectural annual, published by the Architectural Society, showing work in the departments of design and drawing.

ACADEMIC CALENDAR

1914–1916

1914—Sept. 14—Monday, Entrance examinations and examinations for deficient and debarred students begin.

Sept. 16—Wednesday, Registration begins.

Sept. 22—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5.

Sept. 23—Wednesday, First half-year, 161st year, begins. Registration ceases for students not previously matriculated, except in the graduate schools. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Sept. 26—Saturday, Registration ceases in the graduate schools. Later applications received only on payment of an additional fee of $5.

Oct. 6—Tuesday, Last day for filing essay for the degree of Master of Arts, if the degree is to be conferred in October.

Oct. 20—Tuesday, Stated meeting of University Council.

Nov. 3—Tuesday, Election Day, holiday.

Nov. 25—Wednesday, University service in St. Paul's Chapel.

Nov. 26—Thursday, to November 28, Saturday, inclusive, Thanksgiving holidays.

Dec. 6—Sunday, Commemoration Service in St. Paul's Chapel.

Dec. 15—Tuesday, Stated meeting of University Council.

Dec. 21—Monday, to

1915

1915—Jan. 2—Saturday, inclusive, Christmas holidays.

Jan. 14—Thursday, Mid-year entrance examinations begin.

Jan. 15—Friday, Last day for filing applications for the degree of Master of Arts, if the degree is to be conferred in February.

Jan. 20—Wednesday, Mid-year examinations begin.

Feb. 2—Tuesday, First half-year ends. Last day for filing essay for the degree of Master of Arts, if the degree is to be conferred in February.

Feb. 3—Wednesday, Second half-year begins. University service in St. Paul's Chapel. Registration ceases for students entering second half-year. Later applications received only on payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Feb. 12—Friday, Alumni Day.

Feb. 16—Tuesday, Stated meeting of University Council.

Feb. 22—Monday, Washington's Birthday, holiday.

Mar. 1—Monday, Last day for filing applications for University Fellowships and Scholarships.

Apr. 1—Thursday, Last day for filing applications for examination for the degree of Doctor of Philosophy, if the degree is to be conferred in June.

Apr. 1—Thursday, to April 5, Monday, inclusive, Easter holidays.

Apr. 15—Thursday, Last day for filing applications for the degree of Master of Arts, if the degree is to be conferred in June.

Apr. 20—Tuesday, Stated meeting of University Council.

May. 17—Monday, Final examinations begin.

May 19—Wednesday, Last day for filing essay for the degree of Master of Arts, if the degree is to be conferred in June.

May 30—Sunday, Baccalaureate service.

May 31—Monday, Class Day, Memorial Day, holiday.

June 2—Wednesday, Commencement Day.

June 9—Wednesday, Second half-year ends.

June 14—Monday, Entrance examinations begin.

July 6—Tuesday, Sixteenth Summer Session opens.

Aug. 2—Monday, Last day for filing applications for the degree of Master of Arts, if the degree is to be conferred in October.

Aug. 13—Friday, Sixteenth Summer Session closes.

Sept. 13—Monday, Last day for filing applications for entrance, advanced standing and deficiency examinations. The privilege of later application may be granted on payment of a fee of $5.

Sept. 20—Monday, Examinations for entrance, advanced standing and for deficient and debarred students begin.

Sept. 22—Wednesday, Registration begins.

Sept. 28—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. The privilege of later application may be granted on payment of a fee of $5.

Sept. 29—Wednesday, First half-year, 162nd year, begins.
Registration ceases for students not previously matriculated, except in the graduate schools. The privilege of later application may be granted on payment of a fee of $5.
Fellows and Scholars to report to the Registrar.

Oct. 2—Saturday, Registration ceases in the graduate schools. The privilege of later application may be granted up to October 23 on payment of a fee of $5.

Oct. 5—Tuesday, Last day for filing essay for the degree of Master of Arts, if the degree is to be conferred in October.

Oct. 9—Saturday, Last day for filing applications for all degrees to be conferred in October, except Master of Arts and Doctor of Philosophy. The privilege of later application may be granted on payment of a fee of $5.

Oct. 19—Tuesday, Stated meeting of University Council.

Oct. 23—Saturday, Last day for receiving late applications for registration in the graduate schools.

Nov. 2—Tuesday, Election Day, holiday.

Nov. 24—Wednesday, Annual Thanksgiving service in St. Paul's Chapel.

Nov. 25—Thursday, to November 27, Saturday, inclusive, Thanksgiving holidays.

Dec. 1—Friday, Last day for filing applications for the degree of Master of Arts to be conferred in February. The privilege of later application may be granted up to December 15 on payment of a fee of $5.

Dec. 12—Sunday, Annual Commemoration service in St. Paul's Chapel.

Dec. 21—Tuesday, Stated meeting of University Council.

Dec. 22—Wednesday, to

1916

Jan. 4—Tuesday, inclusive, Christmas holidays.

Jan. 13—Thursday, Last day for filing applications for entrance examinations. The privilege of later application may be granted on payment of a fee of $5.

Jan. 20—Thursday, Mid-year entrance examinations begin.

Jan. 26—Wednesday, Mid-year examinations begin.

Feb. 1—Tuesday, Last day for filing essay for the degree of Master of Arts, if the degree is to be conferred in February.

Feb. 8—Tuesday, First half-year ends.

Feb. 9—Wednesday, Second half-year begins.
University service in St. Paul's Chapel.
Registration ceases for students entering second half-year. The privilege of later application may be granted up to March 4 in the graduate schools on payment of a fee of $5.
Fellows and Scholars to report to the Registrar.

Feb. 10—Thursday, Last day for filing applications for all degrees to be conferred in February, except Master of Arts and Doctor of Philosophy. The privilege of later application may be granted on payment of a fee of $5.

Feb. 12—Saturday, Alumni Day.

Feb. 15—Tuesday, Stated meeting of University Council.

Feb. 22—Tuesday, Washington's Birthday, holiday.

Mar. 1—Wednesday, Last day for filing applications for University Fellowships and Scholarships. Last day for filing applications for the degree of Master of Arts, to be conferred in June. The privilege of later application may be granted up to March 15 on payment of a fee of $5.

Mar. 4—Saturday, Last day for receiving late applications for registration in the graduate schools.

Apr. 1—Saturday, Last day for filing applications for examination for the degree of Doctor of Philosophy, if the degree is to be conferred in June.

Apr. 18—Tuesday, Stated meeting of University Council.

Apr. 19—Wednesday, Last day for filing applications for all degrees to be conferred in June, except Master of Arts and Doctor of Philosophy. The privilege of later application may be granted on payment of a fee of $5.

Apr. 20—Thursday, to Apr. 24, Monday, inclusive, Easter holidays.

Apr. 25—Tuesday, Last day for filing applications for deficiency examinations. The privilege of later application may be granted on payment of a fee of $5.

May 1—Monday, Last day for students in Columbia College to file choice of studies for following year. The privilege of filing such choice later may be granted on payment of a fee of $5.
Last day for filing applications for scholarships in the Schools of Law, Applied Science and Architecture.

May 22—Monday, Final examinations begin.

May 24—Wednesday, Last day for filing essay for the degree of

Master of Arts, if the degree is to be conferred in June.

May 30—Tuesday, Memorial Day, holiday.

June 4—Sunday, Baccalaureate service.

June 5—Monday, Class Day.

June 7—Wednesday, Commencement Day.

June 14—Wednesday, Second half-year ends.

June 19—Monday, Entrance examinations begin.

July 5—Wednesday, Seventeenth Summer Session opens.

Aug. 1—Tuesday, Last day for filing applications for the degree of Master of Arts to be conferred in October. The privilege of later application may be granted up to August 15 on payment of a fee of $5.

Aug. 15—Tuesday, Seventeenth Summer Session closes.

Sept. 11—Monday, Last day for filing applications for entrance, advanced standing and deficiency examinations. The privilege of later application may be granted on payment of a fee of $5.

Sept. 18—Monday, Examinations for entrance, advanced standing and for deficient and debarred students begin.

Sept. 20—Wednesday, Registration begins.

Sept. 26—Tuesday, Registration ceases for students previously matriculated, except in the graduate schools. The privilege of later application may be granted on payment of a fee of $5.

Sept. 27—Wednesday, First half-year, 163rd year, begins. Registration ceases for students not previously matriculated, except in the graduate schools. The privilege of later application may be granted on payment of a fee of $5.

Fellows and Scholars to report to the Registrar.

The last day of the second half-year falls on the second Wednesday in June, and the academic year opens 37 weeks before that date. The second half-year opens on Wednesday, 19 weeks from the opening of the first half-year.

DIRECTORY OF OFFICERS

A. = Avery.
B. = Barnard College.
C. R. L. = Crocker Research Laboratory.
East = East Hall.
E. H. = Earl Hall.
E. = Engineering.
F. = Fayerweather.
Gym. = Gymnasium.
H. A. = Household Arts.
Hm. = Hamilton.
H. M. S. = Horace Mann School.
Hv. = Havemeyer.
J. = Journalism.
K. = Kent.
L. = Library.
M. = School of Mines.
P. & S. = College of Physicians and Surgeons.
P. = Philosophy.
Phar. = College of Pharmacy.
S. = Schermerhorn.
S. H. = Sloane Hospital.
Sp. S. = Speyer School.
T. = Teachers College.
U. = University.
U. T. S = Union Theol. Seminary.
V. C. = Vanderbilt Clinic.

Furnald, Hartley, Livingston, Whittier, Brooks = Residence Halls.

Name	Office Hours	Office	Residence
Abbott, A. Asst. Prof. (25)	M. W. 11	322 T.	537 W. 121
Abbott, N. Prof. (18)	Tu. Th. 12:20–1	K	515 W. 124
Adams, Marian K. Asst. (40)		T.	Whittier
Adams, P. H. Clin. Asst. (39)		V. C.	106 E. 70
Adler, F. Prof. (15)			152 W. 77
Agger, E. E. Asst. Prof. (22)	M. W. F. 11–12	708 Hm.	Tenafly, N. J.
Alberti, E. Lect. (40)		T.	
Alexander, I. H. Clin. Asst. (39)		V. C.	254 W. 127
Alexander, L. H. Instr. (30)	W. F. 10–10:30	111 B.	660 Riverside Dr.
Altenburg, E. Asst. (37)	Tu. Th. 1–2	512 S.	Furnald
Ames, T. H. Clin. Asst. (39)		V. C.	52 W. 53
Anderson, Mary P. Tr. (40)		H. M. S.	Edgewater, N. J.
Andrews, B. R. Asst. Prof. (25)	M. W. F. 3; Tu. Th. 4	102 H. A.	421 W. 121
Andrews, Mrs. Elizabeth R. College Visitor, T. C. (40)	M. W. Th. F. 2–3	100 T.	421 W. 121
Angell, J. R. Non-res. Lect. (36)			
Anthony, Kate S. Tr. (40)		H. M. S.	202 W. 78
Arendt, M. Asst. Prof. (20)	M. 9; Tu. W. 1–2	503 E.	600 W. 116
Arny, H. V. Prof. (22)		Phar.	Montclair, N. J.
Aronson, L. S. Clin. Asst. (39)		V. C.	1391 Madison Ave.
Asserson, M. Alice, Asst. Physician T. C. (40)	M. W. F. 4–6	157 T.	40 W. 96
Atkinson, Louise S. Instr. (40)		T.	196 Berkeley Pl., Bklyn.
Auchincloss, H. Instr. (30)		P. & S.	981 Madison Ave.
Ayres, D. R. Clin. Asst. (39)		V. C.	57 W. 58
Ayres, H. M. Asst. Prof. (20)	M. W. 11–12	601 P.	514 W. 122
Babcock, E. D. Lect. (36)			Hotel St. Andrew
Bach, M. G. Instr. (40)		T.	Furnald
Bach, R. F. Curator (37)	Daily 11–12	401 A.	509 W. 121
Bacon, G. Prof. (16)		P. & S.	47 W. 54
Bacon, Georgia F. Tr. (40)		H. M. S.	537 W. 121
Bagster-Collins, E. W. Assoc. Prof. (15)	M. W. 10–10:30	231 T.	Montrose, N. Y.
Bair, F. H. Tr. (40)		H. M. S.	
Baker, C. McC. Tr. (40)		H. M. S.	

Name	Office Hours	Office	Residence
Baker, Emma R. Instr. (40)		T.	Whittier
Baker, F. T. Prof. (13)	M. W. 3:30–4	323 T.	Park Hill, Yonkers, N. Y.
Baker, Helen B. Tr. (40)		H. M. S.	195 Claremont Ave.
Baker, J. C. Lab. Asst. (37)		Hv.	521 Manhattan Ave.
Baker, S. Josephine, Lect. (40)		T.	33 W. 96
Balderston, Lydia R. Instr. (40)		T.	509 W. 121
Baldt, Laura I. Instr. (40)		T.	106 Morningside Dr.
Baldwin, C. S. Prof. (22)	Tu. S. 10	140 B.	
	W. F. 2	609 P.	
	W. 10	323 T.	15 Claremont Ave.
Baldwin, Elizabeth G. Lib'n T. C. (40)	Daily 11–12	313 T.	435 W. 123
Ballard, Anna W. Instr. (40)		T.	120 W. 103
Ballard, C. W. Instr. (40)		Phar.	335 Senator, Bklyn.
Bancel, H. A. Clin. Asst. (39)		V. C.	235 E. 68
Bancroft, F. W. Asst. (37)		P. & S.	43 W. 54
Bandler, C. G. Instr. (30)		P.[1] & S.	241 W. 102
Barrows, Anna, Instr. (40)		T.	
Barry, F. Instr. (30)	M. 4–5; F. 9–10	616 Hv.	Livingston
Bartholow, P. Clin. Asst. (39)		V. C.	40 E. 41
Bartlett, F. H. Instr. (30)		P. & S.	44 E. 63
Barver, R. Clin. Asst. (39)		V. C.	
Bastedo, W. A. Assoc. (28)		P. & S.	57 W. 58
Batchelder, Evelyn, Tr. (40)		H. M. S.	
Batchelder, Mildred I. Tr. (40)		H. M. S.	415 W. 118
Batchelder, Ruth, Tr. (40)		H. M. S.	420 W. 119
Beans, H. T. Asst. Prof. (22)		Hv.	
Beard, C. A. Assoc. Prof. (18)	Absent on leave second half-year		400 W. 118
Beck, S. Clin. Asst. (39)		V. C.	500 W. 122
Beegle, Mary P. Instr. (40)		T.	620 W. 116
Belcher, B. H. Clin. Asst. (39)		V. C.	8 Highland Ave., Yonkers, N. Y.
Bement, A. Asst. Prof. (22)	Daily 9–12	426 T.	15 W. 67
Bensel, W. Assoc. (28)		P. & S.	125 Riverside Dr.
Bentley, Bertha M. Tr. (40)		Sp. S.	94 Lawrence
Berg, H. W. Assoc. (28)		P. & S.	923 Madison Ave.
Berkey, C. P. Assoc. Prof. (20)	Tu. Th. 10–11	303 S.	Palisade, N. J.
Bersohn, R. Asst. (37)		P. & S.	60 E. 113
Betz, G. A. Instr. (30)	Tu. 10–11; F. 2–3	114 B.	Furnald
Bewer, J. A. Prof. (40)		U. T. S.	606 W. 122
Beyer, Ina L. Tr. (40)		Sp. S.	94 Lawrence
Bigelow, C. O. Treas. Coll. Pharm. (6)			133 W. 78
Bigelow, M. A. Prof. (15)	M.-Th. 9–10	119 T.	Crugers, N. Y.
Bigongiari, D. Asst. Prof. (26)			
Bird, J. M. Asst. (37)	Daily 9–12; M. W. F. 1–4	215 Hm.	29 Convent Ave.
Bisch, L. E. Lect. (40)		T.	768 West End Ave.
Blackwell, H. B. Instr. (30)		P. & S.	148 W. 58
Blakeslee, G. A. Clin. Asst. (39)		V. C.	215 W. 101
Blancard, W. Clin. Asst. (39)		V. C.	55 E. 76
Blanchard, A. H. Prof. (22)		410 E.	411 W. 114
Blanchard, J. Lect. (36)	S. 9–10	401 F.	Livingston

Name	Office Hours	Office	Residence
Bliss, Grace V. Sec. Fine Arts T. C. (40)		T.	404 W. 115
Bloom, I. S., Gym. Asst. (40)		Gym.	25 St. Nicholas Ave.
Blumgarten, A. S. Clin. Asst. (39)		V. C.	1114 Madison Ave.
Boas, Belle, Tr. (40)		H. M. S.	140 Claremont Ave.
Boas, F. Prof. (13)	Tu. Th. 11–12	708 J.	230 Franklin Ave., Grantwood, N. J.
Boehme, G. F. Clin. Asst. (39)		V. C.	220 Audubon Ave.
Bogarte, M. B. Tr. (40)		H. M. S.	505 W. 124
Bogert, M. T. Prof. (14)	W. F. 1:10–2:10	408 Hv.	422 W. 154
Böhme, T. Lect. (36)	M. W. F. 10–11	405 Hm.	240 W. 15
Bonser, F. G. Assoc. Prof. (21)	M. Th. 2–3	235 T.	552 Riverside Dr.
Boorstein, S. W. Clin. Asst. (39)		V. C.	1210 Tinton Ave.
Botsford, G. W. Prof. (17)			
Bovaird, D., Jr. Asst. Prof. (20)		P. & S.	137 E. 60
Boyd, W. B. Asst. (37)		P. & S.	130 Claremont Ave.
Boyd, Virginia T. Chief Clerk B. C. (6)	M.–F. 9–5; S. 9–12	B.	618 W. 114
Bradish, Ethelwyn C. Instr. (40)		T.	106 Morningside Dr.
Brainin, C. S. Asst. (37)	M. W. F. 10–11	409 F.	Furnald
Brandt, Lilian, Asst. (37)	Tu. Th. 5:10	607 K.	26 Orange, Bklyn.
Brant, Laura C. Asst. (37)		230 B.	430 W. 118
Braun, W. A. Assoc. Prof. and Dir. Deutsches Haus (20)	Tu. 11; F. 10	113 B.	99 Claremont Ave.
Breckenridge, W. E. Lect. (40)		T.	Mt. Vernon, N. Y.
Brewer, G. E. Prof. (15)		P. & S.	16 E. 64
Brewster, W. T. Prof. and Provost of B. C. (14)	Tu. Th. 11–12	109 B.	Hartsdale, N. Y.
Briggs, C. H. Lect. (40)		T.	523 W. 124
Briggs, Elizabeth, Tr. (40)		H. M. S.	11½ W. 84
Brill, A. A. Clin. Asst. (39)		V. C.	55 Central Pk. W.
Brill, N. E. Prof. (27)		P. & S.	48 W. 76
Britton, N. L. Dir. N. Y. Bot. Garden (17)			Bronx Park
Broadhurst, Jean. Asst. Prof. (26)	Tu. F. 4–4:30	423 T.	Edgewater, N. J.
Brooks, F. E. Tr. (40)		H. M. S.	
Brooks, Mrs. M. K. Tr. (40)		H. M. S.	600 W. 114
Brown, A. J. Instr. (30)		P. & S.	156 E. 64
Brown, C. K. Sec. Earl Hall (7)	Daily 19–2; 2–5	E. H.	Furnald
Brown, Rev. F. Prest. U. T. S. (19)		U. T. S.	80 Claremont Ave.
Brown, Grace L. Instr. (40)		T.	419 W. 119
Brown, J. A. Lect. (40)			80 Claremont Ave.
Brown, J. C. Tr. (40)		H. M. S.	533 W. 124
Brown, R. C. E. Assoc. (28)	M. 11–12	607 J.	164 Hicks, Bklyn.
Brown, R. H. Lect. (36)	M. F. 10–12	612 Hv.	239 New York Ave., Bklyn.
Brown, S. Clin. Asst. (39)		V. C.	White Plains, N. Y.
Bryant, Annie B. Asst. (40)		T.	519 W. 121
Buckner, Mrs. G. H. Instr. (40)		T.	509 W. 121
Buerger, L. Instr. (30)		P. & S.	40 E. 41
Bugbee, H. G. Instr. (30)		P. & S.	40 E. 41
Bullock, F. D. Assoc. (28)		C. R. L.	
Burke, Agnes, Asst. (40)		T.	514 W. 122
Burdick, F. M. Prof. (11)	Tu. Th. 10–11	406 K.	2880 B'way
Burgess, J. W. Emer. Prof. (8)			187 Gibbs Ave., Newport, R. I.

Name	Office Hours	Office	Residence
Burnap, S. R. Instr. (30)		P. & S.	44 E. 65
Burnham, A. C. Clin. Asst. (39)		V. C.	157 W. 79
Burnside, C. H. Asst. Prof. (20)	Tu. 10–11; 4	603 F.	Morsemere, N. J.
Burr, C. F. Sec. to Prin. H. M. H. S. (7)		H. M. S.	129 W. 118
Burr, W. H. Prof. (12)		401 E.	104 E. 40
Burton-Opitz, R. Assoc. Prof. (16)		P. & S.	Palisade, N. J.
Bush, W. T. Assoc. Prof. (23)	M. W. 2–3	704 P.	1 W. 64
Buswell, A. M. Instr. (30)	M.–F. 11–12	612 Hv.	Lakeview Ave., Leonia, N. J.
Butler, N. M. Prest. (11)	M. Tu. Th. F. 10:30–12	213 L.	60 Morningside Dr.
Cady, C. B. Lect. (40)		T.	15 Claremont Ave.
Cain, E. A. Clin. Asst. (39)		V. C.	344 W. 22
Calkins, G. N. Prof. (15)	M. F. 11–12	609 S.	Hartsdale, N. Y.
Calvert, R. P. Instr. (30)	Daily 9–12	607 Hv.	Furnald
Camac, C. N. B. Asst. Prof. (22)		P. & S.	128 E. 60
Campbell, Blanche E. Tr. (40)		Sp. S.	604 W. 125
Campbell, W. Assoc. Prof. (18)			
Canfield, G. F. Prof. (12)	Tu. Th. 11	406 K.	344 W. 72
Carlucci, G. A. Asst. (37)		P. & S.	1954 Crotona Parkway
Carpenter, C. D. Asst. Prof. (26)	M.–W. 11:30–12	415 T.	114 Morningside Dr.
Carpenter, W. H. Prof. and Provost (11)	M.–F. 10–12; 2–4; S. 10–12	305 East	417 W. 117
Carr, M. L. Instr. (30)		P. & S.	36 W. 59
Carret, Magdeleine, Assoc. and Dir. Maison Francaise (28)	Tu. Th. 10–11	111 B.	420 W. 116
Carter, H. S. Assoc. (28)		P. & S.	66 W. 55
Casamajor, L. Instr. (30)		P. & S.	342 W. 56
Cattell, J. McK. Prof. (11)	Th. F. 2	413 S.	Garrison, N. Y.
Cecil, R. L. Instr. (30)		P. & S.	123 E. 62
Chaddock, R. E. Assoc. Prof. (22)	M. W. 11–12	501 K.	403 W. 115
Chambers, P. F. Prof. (27)		P. & S.	49 W. 57
Chandler, C. F. Emer. Prof.			51 E. 54
Chappell, W. F. Prof. (27)		P. & S.	7 E. 55
Clark, Frances H. Tr. (40)		H. M. S.	
Clark, J. For. Corres. of T. C. for Scotland (7)			Care School Board, Glasgow
Clark, J. B. Prof. (12)	Absent on leave 1914–15		465 West End Ave.
Clarke, W. C. Asst. Prof. (24)		P. & S.	200 W. 56
Class, F. M. Instr. (30)		P. & S.	24 W. 45
Cleaver, E. E. Clin. Asst. (39)		V. C.	351 W. 51
Clifford, Rev. Father, Non-Resident Lect. (37)	Tu. Th. 10–11	405 P.	Whippany, N. J.
Coakley, C. G. Prof. (26)		P. & S.	53 W. 56
Cobb, Leila M. Tr. (40)		H. M. S.	Whittier
Coblentz, V. Emer. Prof. (8)			431 Riverside Dr.
Cocks, G. H. Instr. (30)		P. & S.	137 E. 54
Coe, G. A. Prof. (40)		U. T. S.	606 W. 122
Cohn, A. Prof. (12)		502 P.	
Colby, E. Instr. (30)		606 Hm.	633 W. 115
Colby, Gertrude K. Asst. (40)		T.	Whittier

Name	Office Hours	Office	Residence
Cole, F. N. Prof. (12)	M. 2	705 Hm.	
Colie, E. M., Jr. Assoc. (28)		P. & S.	128 W. 59
Coll, A. P. Instr. (30)		V. C.	153 Lexington Ave.
Collins, H. D. Instr. (30)		P. & S.	50 W. 55
Colsey, L. C. Gym. Asst.		Gym.	
Combes, A. L. Tr. (40)		H. M. S.	616 W. 135
Condry, Margaret G. Tr. (40)		H. M. S.	419 W. 119
Connell, K. A. Instr. (31)		P. & S.	45 W. 50
Constantine, J. H. Instr. (40)		T.	520 W. 124
Cook, Elizabeth C. Instr. (40)		T.	435 W. 119
Cooley, Anna M. Asst. Prof. (21)	Tu. Th. 1:30–2:30	115 H. A.	202 W. 79
Cooley, W. F. Instr. (31)	Absent on leave 1914–15		75 St. James Terrace, Yonkers, N. Y.
Cooper, Isabel S. Asst. (40)		T.	435 W. 119
Cooper, S. C. Asst. (37)		501 E.	419 Livingston, Elizabeth, N. J.
Cornell, Grace A. Asst. Prof. (22)	Tu. Th. 9–11:50	430 T.	33 Alsop, Jamaica, N. Y.
Cornwell, L. H. Clin. Asst. (39)		V. C.	575 Park Ave.
Corscaden, J. A. Asst. (37)		P. & S.	440 West End Ave.
Coss, J. J. Instr. (31)	Tu. 9–11	705 P.	Livingston
Coulet, J. For. Corres. of T. C. for France (7)			96, Boulevard Raspail, Paris
Coulter, C. B. Asst. (37)		P. &. S.	133 E. 73
Cowan, J. A. Clin. Asst. (39)		V. C.	438 W. 44
Cox, G. J. Instr. (40)		T.	3099 B'way
Cragin, E. B. Prof. (13)		P. & S.	10 W. 50
Crampton, H. E. Prof. (14)	W. F. 1–2	415 B.	2880 B'way
Crandall, Ella P. Instr. (40)		T.	54 E. 34
Crandon, Laura B. Tr. (40)		H. M. S.	401 W. 118
Crawford, J. R. Instr. (31)	Tu. 10–10:30	514 Hm.	28 Dearborn Rd., Palisade, N. J.
Crehore, A. C. Assoc. (28)		P. & S.	
Crissey, Helen, Sec. H. M. El. S. (7)		H. M. S.	600 W. 114
Crouzelman, F. J. Clin. Asst. (39)		V. C.	Ward's Island
Cunliffe, J. W. Prof. & Assoc. Dir. Sch. Journ. (23)	M. 11–12; W. F. 9–10	201 J.	Delafield Lane, Riverdale
Curtis, C. C. Assoc. Prof. (19)	Tu. Th. 2:30–3	S.	435 W. 119
Curtis, H. B. Instr. (31)	M. W. F. 11:50	408 B.	54 Morningside Dr.
Curtis, Mary W. Asst. (40)		T.	457 W. 123
Cussler, E. Instr. (31)		P. & S.	103 E. 75
Dana, H. W. L. Instr. (31)	F. S. 11–12	606 Hm.	Livingston
Daniell, Lucetta, Soc. Dir. T. C.			Whittier
Danielson, C. S. Bursar (7)	M.–F. 9:30–3:30; S. 9:30–12	East	2135 Seventh Ave.
Darling, B. C. Instr. (31)		P. & S.	122 E. 34
Darrach, W. Asst. Prof. (25)		P. & S.	47 W. 50
Daschbach, M. Grace, Lect. (40)		T.	Carnegie Hall
David, E. J. Tr. (40)		H. M. S.	609 W. 135
Davies, M. J. Asst. to Dir. Ext. Teaching	M.–F. 11–12; 2–4	711 J.	175 Steuben, Bklyn.
Davis, B. Assoc. Prof. (19)	Tu. Th. 10–12	408 F.	411 W. 114
Davis, C. E. Asst. (37)		110 Hv.	408 W. 115

Name	Office Hours	Office	Residence
Davis, Mrs. Estelle H. Lect. (37)		B.	189 Claremont Ave.
Davis, P. L. Asst. (37)	M.–F. 10–11; 1–3	313 Hv.	3100 B'way
Day, W. S. Lect. (36)		407 F.	
Dean, B. Prof. (13)		606 S.	Riverdale
de Bacourt, P. Lect. (36)	Tu. Th. S. 10–11	606 J.	9 W. 98
Dederer, Pauline H. Instr. (31)	Tu. 11	412 B.	549 W. 113
Delafield, F. Emer. Prof. (8)			5 W. 50
Demarest, I. C. Instr. (31)	W. 11–11:30	510 Hm.	16 Third, Ridgefield Pk., N. J.
Dement, Lucia W. Tr. (40)		H. M. S.	
Denig, R. C. Prof. (27)		P. & S.	56 E. 58
Derby, R. Instr. (31)		P. & S.	27 W. 44
Devine, E. T. Prof. (17)	Tu. Th. 5:10	607 K.	542 W. 112
Dewey, J. Prof. (16)	M. W. 2:10–3	702 P.	2880 B'way
Dickey, F. A. Registrar (6)	M.–F. 9–5; S. 9–12	201 East	Grand View, Nyack, N. Y.
Diekman, G. C. Prof. (16)		Phar.	555 E. 23, Bklyn.
Dodge, B. O. Instr. (31)	Tu. Th. 1–2	510 S.	417 W. 121
Dodge, R. E. Prof. (13)	Tu. Th. 1:10–2; W. F. 2:10–3	416 T.	Washington, Ct.
Dorr, G. H. Assoc. (28)		410 K.	
Doty, Katharine S. Sec. B. C. (6)	M.–F. 10–12; 2–4; S. 10–12	B.	567 W. 113
Dow, A. W. Prof. (16)	W. 4–5	431 T.	501 W. 120
Dowd, C. N. Prof. (19)		P. & S.	127 W. 72
Downes, W. A. Asst. Prof. (25)		P. & S.	37 W. 71
Draper, G. Instr. (31)		P. & S.	162 E. 63
Draper, W. K. Prof. (18)		P. & S.	121 E. 36
Drew, Lillian C. Instr. (40)		T.	435 W. 119
Drowne, H. B. Instr. (31)			
Dunning, H. S. Clin. Asst. (39)		V. C.	17 E. 38
Dunning, W. A. Prof. (12)	M. W. F. 12:30	608 K.	Hotel Ansonia
Dutton, S. T. Prof. (13)	Absent on leave 1914–15	T.	
Dwight, K. Asst. (37)		P. & S.	1045 Madison Ave.
Dwyer, J. G. Instr. (31)		P. & S.	40 E. 41
Eastlack, H. E. Asst. (40)		T.	
Egbert, J. C. Prof. & Dir. Summer Session & Ext. Teaching (13)	Daily 11–12	306 P.	425 W. 146
Eisenbrey, A. B. Instr. (31)		P. & S.	St. Luke's Hosp'l
Eliot, E., Jr. Prof. (28)		P. & S.	34 E. 67
Elliott, A. H. Emer. Prof. (8)			52 E. 41
Elliott, E. S. Instr. (31)		Gym.	Livingston
Elliott, G. R. Asst. Prof. (28)		P. & S.	
Emerson, H. Assoc. (28)		P. & S.	120 E. 62
Emerson, H. E. Lect. (40)		T.	120 E. 62
Emmett, A. D. Instr. (31)		P. & S.	431 W. 121
Epstein, J. Clin. Asst. (39)		V. C.	225 Henry
Erb, F. C. Lib. Sup. (7)	Daily 9–12	102 L.	520 W. 123
Erb, F. W. Lib. Sup. (7)	Daily 9–12	204 L.	520 W. 123
Erdwurm, F. Instr. (31)		P. &. S	128 E. 34
Erskine, J. Assoc. Prof. (19)	Tu. 2:15-3; W. 11–12	612 Hm.	609 W. 115
Evans, E. M. Prof. (19)		P. & S.	56 E. 55
Eyster, J. B. Tr. (40)		H. M. S.	417 W. 121

Name	Office Hours	Office	Residence
Fackenthal, F. D. Sec. of the University (6)	M.–F. 9–5; S. 9–4	213 L.	930 St. Mark's Ave., Bklyn.; 407 W. 117
Fair, Ethel, Tr. (40)		H. M. S.	420 W. 121
Fales, H. A. Instr. (31)	M. 9–10; W. 4–5	512 Hv.	308 Schermerhorn, Bklyn.
Fales, Jane, Asst. Prof. (21)	M. 2–4; F. 10–12	308 T.	622 W. 113
Famulener, L. W. Assoc. (28)		C. R. L.	717 W. 177
Fansler, D. S. Lect. (36)	Th. 2–4; F. 10–11	610 Hm.	90 Morningside Dr.
Farnsworth, C. H. Assoc. Prof. (14)	Tu. 2; Th. 11	T.	30 Mountain Ave., Edgewater, N. J.
Farrington, F. E. Assoc. Prof. (21)	M. W. 10	218 T.	168 Prospect, New Haven, Ct.
Farrington, Kathryn, Sec. Bureau of Publications T. C. (40)		T.	2150 80th St., Bklyn.
Farwell, H. W. Instr. (31)	W. 3–4	401 F.	241 Hillside Ave., Leonia, N. J.
Fasano, S. Lab. Asst. (40)		Phar.	683 Wales Ave.
Faulwetter, R. C. Asst. (37)		502 S.	528 W. 123
Field, C. W. Asst. (37)		P. & S.	Bellevue Hosp'l
Finch, J. K. Instr. (31)	Tu. Th. F. 11–12	407 E.	126 Claremont Ave.
Fischer, C. A. Instr. (32)	Tu. Th. 11–12	212 Hm.	33 Convent Ave.
Fischer, H. Instr. (32)		P. & S.	111 E. 81
Fish, G. D. Asst. (37)		406 E.	
Fisher, A. Clin. Asst. (39)		V. C.	
Fisher, H. L. Instr. (32)	M.–F. 1–4	402 Hv.	3 Louisa Pl., Weehawken, N. J.
Fisk, J. C. Clin. Asst. (39)		V. C.	2030 B'way
Fiske, T. S. Prof. (12)	M. W. 2:30	508 F.	527 W. 110
Fite, W. B. Prof. (20)	Tu. Th. 9:30–10	209 Hm.	411 W. 114
Fletcher, J. B. Prof. (16)		612 P.	112 E. 22
Fontaine, C. Asst. Prof. (20)	M. W. F. 3–4	308 Hm.	541 W. 124
Fordyce, J. A. Prof. (25)		P. & S.	8 W. 77
Fortier, E. J. Instr. (32)	M. W. 3; F. 4	305 Hm.	557 W. 124
Foster, B. B. Gym. Asst. (40)		Gym.	419 W. 119
Fowler, S. W. Clin. Asst. (39)		V. C.	326 W. 57
Fox, D. R. Instr. (32)	M. W. 2–3	714 Hm.	633 W. 115
Fox, Paulina P. Tr. (40)		H. M. S.	420 W. 119
Frame, Elsa L. Instr. (40)		T.	Whittier
Francis, Charlotte A. Instr. (40)		T.	Whittier
Fraser, F. R. Instr. (32)		P. & S.	65 Central Pk. W.
Fraser, L. Asst. (37)	Tu. F. 10–11; F. 1–2	508 J.	9 E. 10
Freas, T. B. Asst. Prof. and Curator (23)	M.–F. 9–12; 1–5	614 Hv.	Hillcrest Ave., Leonia, N. J.
Freeman, A. C. Instr. (32)		P. & S.	115 E. 71
French, Lucile G. Instr. (40)		T.	418 W. 118
Freudenfall, B. Clin. Asst. (39)		V. C.	329 E. 51
Frieder, W. Clin. Asst. (39)		V. C.	80 St. Nicholas Ave.
Friedman, G. A. Clin. Asst. (39)		V. C.	123 E. 95
Friedson, M. Clin. Asst. (39)		V. C.	105 E. 10

Name	Office Hours	Office	Residence
Frissell, L. F. Asst. Prof. (24)		P. & S.	113 E. 56
Frothingham, R. Instr. (32)		P. & S.	616 Madison Ave.
Frye, D. W. Clin. Asst. (39)		V. C.	
Fuhrman, H. C. Clin. Asst. (39)		V. C.	1247 Ocean Ave., Bklyn.
Fullerton, G. S. Prof. (16)	Absent on leave 1914–15		
Gallaudet, B. B. Asst. Prof. (17)		P. & S.	110 E. 16
Gambrill, J. M. Instr. (40)		T.	Livingston
Gardner, H. F. Instr. (32)	Daily 9–10	106 S.	Hartley
Garrison, Charlotte G. Instr. (40)		T.	439 W. 123
Garrison, Myrtle, Tr. (40)		H. M. S.	509 W. 122
Gates, Gertrude, Asst. (38)		T.	Whittier
Gerig, J. L. Assoc. Prof. (20)	Tu. Th. 10–11	506 P.	501 W. 122
Gerow, C. D. Tr. (40)		H. M. S.	Yonkers, N. Y.
Geyelin, H. R. Instr. (32)		P. & S.	680 Madison Ave.
Gibbs, Winifred S. Asst. (40)		T.	70 Irving Pl.
Gibney, V. P. Prof. (15)		P. & S.	16 Park Ave.
Giddings, F. H. Prof. (12)	W. 3:30; F. 4:30	504 K.	303 W. 104
Gies, W. J. Prof. (14)		P. & S.	611 W. 113
Gifford, R. W. Prof. (25)	M. 10–11	408 K.	
	Th. 2–3	605 J.	468 Riverside Dr.
Gildersleeve, Virginia C., Prof. and Dean of Barnard College (20)	M. Th. 10:30–11:30; 2:30–3:30; W. F. 10:30–12	B.	404 Riverside Dr.
Gillmore, Mary B. Tr. (40)		H. M. S.	415 W. 118
Gilmor, Laura A. Tr. (40)		Sp. S.	
Glasgow, B. Clin. Asst. (39)		V. C.	315 E. 6
Goan, P. S. Asst.			35 W. 82
Goetze, Prof. Dr. For. Corres. of T. C. for Germany (7)			Arndt - Gymnasium, Berlin - Dahlem
Goetze, F. A. Dean Fac. Appl. Sci. and Comptroller (18)	M. Tu. Th. F. 10:30–12	405 E.	601 W. 110
Gohdes, W. H. Tr. (40)		H. M. S.	Livingston
Goldenweiser, A. Instr. (32)	M. W. F. 10–12	704 J.	619 W. 127
Goldfarb, S. J. Clin. Asst. (39)		V. C.	57 W. 111
Good, F. F. Instr. (40)		T.	419 W. 115
Goodale, Grace H. Lect. (37)	Tu. 2–3; F. 9–11	331 B.	Whittier
Goodhart, S. P. Asst. Prof. (28)		P. & S.	34 W. 87
Goodrich, Annie W. Asst. Prof. (25)	Tu. Th. 11; F. 9 and 4	110 H. A.	411 W. 115
Goodridge, F. G. Instr. (32)		P. & S.	122 E. 78
Goodsell, Willystine, Asst. Prof. (23)	M. 2–3; S. 9–10	321 T.	401 W. 118
Goodwin, G. M. Instr. (32)		P. & S.	125 E. 57
Gordon, D. Instr. (32)		P. & S.	61 W. 48
Gottheil, R. J. H. Prof. (11)	Tu. 10; F. 4	405 P.	417 Riverside Dr.
Gottsbratt, N. J. Clin. Asst. (39)		V. C.	64 W. 56
Goucher, F. S. Asst. (38)			
Grabau, A. W. Prof. (14)	Daily 3–4	101 S.	Scarsdale, N. Y.
Graham, W. S. Clin. Asst. (39)		V. C.	56 W. 11

Name	Office Hours	Office	Residence
Grant, E J Assistant Registrar	M.–F. 9–5; S. 9–12	201 East	34 Post Ave.
Graves, G. H. Instr. (32)	M. W. F. 9–10	212 Hm.	Livingston
Graves, G. W. Asst. (38)		P. & S.	
Gray, J. M. Instr. (32)	Tu. 2; S. 11	410 Hm.	71 Rockland Ave., Yonkers, N. Y.
Gray, R. P. Instr. (40)		T.	435 W. 119
Green, N. W. Instr. (32)		P. & S.	152 W. 57
Greenberg, L. Clin. Asst. (39)		V. C.	1135 46th St., Bklyn.
Greenland, C. W. Asst. (38)		308 S.	Hartley
Greenwood, Grace, Asst. Soc. Dir. Whittier (40)		T.	Whittier
Gregory, Louise H. Instr. (32)	Tu. 1–2	403 B.	90 Morningside Dr.
Gregory, M. S. Assoc. (28)		P. & S.	The Wyoming, 55 & 7th Ave.
Gregory, W. K. Assoc. (28)	M. Tu. 2–4	Am. Mus. Nat. Hist.	Sherman Sq. Hotel
Groeschel, L. B. Clin. Asst. (39)		V. C.	540 W. 160
Grout, G. H. Instr. (32)		P. & S.	8 E. 54
Grove, C. C. Asst. Prof. (20)	M.–F. 11	204 Hm.	3129 B'way
Guernsey, R. Instr. (32)	M. 11–11:30	515 Hm.	527 W. 124
Gunn, Mrs. L. M. Instr. (40)		T.	407 W. 123
Gunther, Emma H. Instr. (40)		T.	509 W. 121
Guthrie, W. D. Prof. (19)			28 Park Ave.
Haberman, J. V. Instr. (32)		P. & S.	60 W. 85
Haeseler, P. C. Asst. (38)			
Haig, R. M. Instr. (32)	Tu. Th. 10–11	506 J.	374 Wadsworth Ave.
Hale, H. E., Jr. Instr. (32)		P. & S.	770 West End Ave.
Hall, E. J. Asst. Prof. (22)	M.–F. 11–12		78 Park Ave., Passaic, N. J.
Hall, F. Instr. (40)		P. & S.	
Hall, T. C. Prof. (40)		U. T. S.	606 W. 122
Hall, W. H. Prof. (25)	M. Tu. Th. F. 11–12	Chapel	49 Claremont Ave.
Haller, W. Instr. (32)	M.–W. 10–11	136 B.	603 W. 139
Halsey, F. A. Assoc. (28)		507 E.	356 W. 120
Hamilton. B. P. Asst. (38)			
Hamilton, B. W. Asst. (38)		P. & S.	125 W. 76
Hamlin, A. D. F. Prof. (11)	Tu.–Th. 10–11	503 A.	105 Morningside Ave.
Harbeck, C. J. Clin. Asst. (39)		V. C.	306 Lexington Ave.
Hardenberg, D. S. Clin. Asst. (39)		V. C.	
Harkey, Tula L. Asst. (40)		T.	620 W. 116
Harlow, E. Clin. Asst. (39)		V. C.	325 W. 86
Harper, R. A. Prof. (23)	Tu. Th. 3–4	503 S.	3201 Parry Ave.
Harriman, C. A. Asst. Prof. (22)		501 A.	417 W. 114
Harrington, T. H. Asst. Prof. (24)	M. W. 3–4	607 E.	Scarsdale, N. Y.
Hart, Fannie, Lab. Asst. (40)		Phar.	84 Bedford
Hart, T. S. Asst. Prof. (24)		P. & S.	130 W. 59
Haskell, Mrs. Juliana S. Instr. (33)	F. 1–2	113 B.	624 W. 139
Hatch, Laura, Asst. (38)	Tu. 9–12	214 B.	Brooks
Haviland, C. F. Clin. Asst. (39)		V. C.	State Hosp'l, Kings Park, L. I.
Hawkes, F. Assoc. (28)		P. & S.	124 E. 65
Hawkes, H. E. Prof. (21)	Daily 9–10	201 Hm.	549 Riverside Dr.
Hayden, J. R. Prof. (16)		P. & S.	121 W. 55

Name	Office Hours	Office	Residence
Hayes, C. Asst. Prof. (20)	M. 2–4	710 Hm.	509 W. 121
Haynes, R. S. Instr. (33)		P. & S.	375 West End Ave.
Hayt, E. K. Asst. Regis. and Asst. Bursar (6)	M.–F. 10–5; S. 10–1	P. & S.	104 W. 128
Hazen, T. E. Asst. Prof. (20)	Tu. Th. 9	320 B.	Livingston
Heft, H. L. Asst. (40)		T.	
Hehre, F. W. Instr. (33)	W. 10–11; Th. 10–12	206 E.	373 W. 116
Henderson, A. C. Clin. Asst. (39)		V. C.	77 W. 85
Hensel, O. Instr. (33)		P. & S.	106 E. 81
Herrick, A. L. Instr. (33)	M. Tu. W. 4–5	207 E.	562 W. 173
Herrick, W. W. Assoc. (29)		P. & S.	49 E. 53
Hervey, W. A. Assoc. Prof. (16)	M. F. 10; W. 2	407 Hm.	
	Tu. F. 4	510 P.	607 W. 138
Heuser, F. W. J. Asst. Prof. (24)	Tu. Th. 3–4	404 Hm.	239 S. 5th Ave., Mt. Vernon, N. Y.
Hicks, F. C. Law Lib'n (7)	Daily 10–12	K.	520 W. 122
Hildreth, W. W. Instr. (33)		P. & S.	495 West End Ave.
Hill, A. S. Asst. (38)	Daily 9–12	206 E.	Livingston
Hill, Patty S. Asst. Prof. (21)	M. 4–5	112 T.	620 W. 116
Hillegas, M. B. Asst. Prof. (23)	M. 3:30–4:30; Th. 2–4	T.	531 W. 124
Hinsdale, R. S. Clin. Asst. (39)		V. C.	567 W. 113
Hirst, Gertrude M. Asst. Prof. (24)	W. 10	212 B.	Brooks
Hirth, F. Prof. (15)	Daily before 9		401 W. 118
Hitti, P. K. Lect. (37)		404 P.	554 W. 114
Hoffman, Phebe E. Asst. (38)	F. 2–3	334 B.	431 W. 120
Holden, W. A. Instr. (33)		P. & S.	8 E. 54
Hollingworth, H. L. Asst. Prof. (26)	M. W. 2–3	420 B.	417 W. 118
Hollis, A. W. Prof. (27)		P. & S.	40 W. 71
Holm, G. T. Instr. (40)		T.	26 Mountain Ave., Edgewater, N. J.
Holt, L. E. Prof. (14)		P. & S.	14 W. 55
Holter, P. C. Sec. of Appointments (6)	Daily 9–1; after 2 by appointment	327 U.	110 Morningside Dr.
Hooker, R. S. Instr. (33)		P. & S.	175 E. 71
Hopkins, J. G. Assoc. (29)		P. & S.	350 Wash'n Ave., Bklyn.
Horn, E. Prin. Sp. S. (40)		Sp. S.	512 W. 123
Horowitz, B., Assoc. (29)		P. & S.	12 W. 117
Horsford, F. C. Clin. Asst. (39)		V. C.	
Hostmann, J. Instr. (40)		Phar.	1208 Hudson, Hoboken, N. J.
Hotchkiss, Caroline W. Tr. (40)		H. M. S.	502 W. 113
Hotchkiss, L. W. Prof. (19)		P. & S.	59 W. 48
House, Florence E. Asst.		T.	420 W. 119
Howard, Clare M. Instr. (33)	M. W. F. 11–12	138 B.	611 W. 111
Howe, H. M. Emer. Prof. (8)			Bedford Hills, N. Y.
Howe, H. S. Instr. and Asst. (33)		P. & S.	41 E. 70
Howe, P. E. Asst. Prof. (24)		P. & S.	421 W. 121
Howson, R., Bibliographer and Asst. to the Librarian (7)		L.	North 13th St., Flushing, N. Y.

Name	Office Hours	Office	Residence
Hubbard, Grace A. Assoc. Prof. (18)		B	134 W. 75
Huber, F. Prof. (27)	B.	P. & S.	209 E. 17
Humphrey, E. F. Instr. (33)	M. F. W. 10–11	704 Hm.	1120 Amsterdam Ave.
Humphreys, G. H. Clin. Asst. (39)		V. C.	312 W. 109
Hunt, C. W. Asst. Sec. T. C. (40)		T.	530 W. 122
Hunt, E. L. Instr. (33)		P. & S.	41 E. 63
Huntington, G. S. Prof. (11)		P. & S.	Hartsdale, N. Y.
Hurwitz, W. C. Clin. Asst. (39)		V. C.	45 W. 113
Hutchinson, Emilie J. Instr. (33)	W. 11–12	308 B.	287 Carroll, Bklyn.
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Hosp'l			447 W. 59
Huttmann, Maude A. Instr. (33)	Tu. Th. 11–11:30; W. 3–4	337 B.	134 W. 75
Hutton, L. Asst. (38)		P. & S.	257 W. 86
Hutton, F. R. Emer. Prof. (8)			257 W. 86
Imbert, L. Instr. (33)	M. W. 1:30	508 Hm.	425 W. 124
Jackson, A. V. W. Prof. (12)	M. 5	401 P.	668 Riverside Dr.
Jackson, D. D. Asst. Prof. (25)			
Jackson, F. W. Prof. (17)		P. & S.	555 Madison Ave.
Jacobi, A. Emer. Prof.			19 E. 47
Jacobus, A. M. Clin. Asst. (39)		V. C.	131 W. 70
Jacoby, H. Prof. (12)	Absent on leave first half-year		39 Claremont Ave.
Jaeger, C. H. Instr. (33)		P. & S.	471 Park Ave.
Jagle, E. C. Clin. Asst. (39)		V. C.	
James, H. Instr. (33)		P. & S.	123 E. 62
James, W. B. Prof. (14)		P. & S.	17 W. 54
Jessup, D. S. D. Instr. and Univ. Med. Visitor (33)	Daily 5–6 and by appointment	P. & S.	601 W. 113
Johnson, A. B. Prof. (27)		P. & S.	116 E. 57
Johnson, D. W. Assoc. Prof. (24)	Tu. Th. 11–12	404 S.	160 Claremont Ave.
Johnson, G. E. Lect. (40)		T.	105 E. 22
Johnson, H. Prof. (17)	Tu. Th. 2–3	320 T.	501 W. 120
Jolliffe, R. N. Lect. (40)		T.	415 W. 115
Jones, A. L. Assoc. Prof. and Chmn. Com. on Undergrad. Admissions (19)	Daily 10–12; M. Th. 3–5; W. F. 1–3	310 East	430 W. 116
Jones, Helen F. W. Tr. (40)		H. M. S.	Whittier
Jordan, D. Asst. Prof. (18)	M. W. F. 10	311 Hm.	419 W. 115
Judd, E. K. Instr. (33)	Tu. W. Th. S. 9–11	408 M.	Palisade, N. J.
Kahn, M. Assoc. (29)		P. & S.	853 Elsmere Pl.
Kammerer, F. Prof. (27)		P. & S.	51 E. 66
Kandel, I. L. Instr. (40)		T.	419 W. 119
Kasner, E. Prof. (17)	W. F. 9:30–10	309 B.	
Kaufmann, J. Prof. (27)		P. & S.	52 E. 58
Keator, Maud, Tr. (40)		Sp. S.	Whittier
Keller, Eleanor, Instr. (33)		435 B.	417 W. 114
Keller, Helen R. Lib'n Sch. Journ. (7)		J.	618 W. 114
Kellogg, H. K. W. Clin. Asst. (39)		V. C.	133 E. 56
Kemp, J. F. Prof. (12)	W. F. 2–3	403 S.	211 W. 139
Kendall, J. Instr. (33)	Daily 9–10	608 Hv.	Furnald

Name	Office Hours	Office	Residence
Kendrick, B. B. Instr. (33)	M. W. 11–12	504 J.	205 Puritan Ave., Forest Hills, L. I.
Kennedy, E. T. Gym. Instr. (40)		Gym.	3605 B'way
Kent, J. M. Clin. Asst. (39)		V. C.	495 West End Ave.
Kenyon, Mrs. J. H. Lect. (40)		T.	57 W. 58
Keppel, F. P. Dean Col. College (20)	M.–F.	208 Hm.	415 W. 117
Keppler, C. R. Clin. Asst. (39)		V. C.	2 W. 86
Kern, E. F. Asst. Prof. (22)	M.–F. 11–12	404 M.	Livingston
Kernan, J. D., Jr. Asst. (38)		P. & S.	156 E. 64
Kersey, P. J. Tr. (40)		H. M. S.	Furnald
Keyes, H. B. Asst. Prof. (26)	M.–F. 2–4	T.	400 W. 118
Keyes, Maud V. Tr. (40)		H. M. S.	501 W. 120
Keyser, C. J. Prof. (15)	M. W. F. 10	206 Hm.	Clendening Hotel
Kiliani, O. G. T. Prof. (27)		P. & S.	44 W. 77
Kilpatrick, Mrs. M. P. Asst. Soc. Dir. T. C.		100 T.	106 Morningside Dr.
Kilpatrick, W. H. Asst. Prof. (23)	Tu. Th. 10	321 T.	
	Daily 11	107 T.	106 Morningside Dr.
Kingsley, R. Instr. (33)		P. & S.	114 E. 71
Kinne, Helen, Prof. (13)	M. W. 11	113 H. A.	501 W. 120
Kirchwey, Clara B. Instr. (40)		T.	419 W. 114
Kirchwey, G. W. Prof. (11)	M.–F. 11–12	410 K.	800 Riverside Dr.
Kirchwey, Mary F. Tr. (40)		H. M. S.	419 W. 114
Kirkpatrick, T. B. Instr. (40)			
Knapp, A. H. Prof. (16)		P. & S.	10 E. 54
Knapp, C. Prof. (14)	Tu. 10–11; 4–5 Absent on leave second half-year	331 B.	1737 Sedgwick Ave.
Knapp, C. W. Instr. (34)		P. & S.	36 W. 55
Knight, S. H. Asst. (38)			
Knox, Rev. R. C. Chaplain (7)	M.–F.	E. H.	413 W. 117
Kobler, E. W. Clin. Asst. (39)		V. C.	171 W. 81
Kohn, B. Clin. Asst. (39)		V. C.	31 W. 115
Kraft, W. J. Lect. (40)		T.	201 N. B'way, Yonkers, N. Y.
Kramer, R. L. Asst. (40)		T.	Livingston
Kranz, S. Gym. Asst. (40)		Gym.	540 W. 143
Krapp, G. P. Prof. (21)	M. W. 3–4; S. 9–10	611 P.	351 W. 114
Kurtz, E. L. Asst. Prof. (19)	Absent on leave 1914–15		
Ladd-Franklin, Mrs. C. Lect. (37)			527 W. 110
La Fetra, L. E. Assoc. (29)		P. & S.	113 E. 61
Lamb, A. R. Instr. (34)		P. & S.	146 E. 74
Lambert, A. V. S. Assoc. Prof. (24)		P. & S.	168 E. 71
Lambert, R. A. Assoc. (29)		P. & S.	Livingston
Lambert, S. W. Prof. and Dean Med. Sch. (15)		P. & S.	130 E. 35
Lamond, F. Lect. (40)		T.	12 W. 10
Langford, Grace, Instr. (34)		232 B.	70 Morningside Dr.
LaPorte, G. L. Asst. Prof. (28)		P. & S.	154 W. 119
de Lapradelle, A. G. Visiting French Prof. (26)			411 W. 117
Larkin, J. H. Asst. Prof. (17)		P. & S.	498 W. 130
Latham, Azubah J. Asst. Prof. (21)	Tu. Th. 11–11:50	213 T.	537 W. 121

Name	Office Hours	Office	Residence
Latham, Helen, Instr. (34)		H. M. S.	537 W. 121
Latham, Marion E. Instr. (37)	M. 11–12	313 B.	Brooks
Latham, Minor W. Lect. (40)	M. 10–11; W. 11–12	137 B.	401 W. 118
Lattin, B. Clin. Asst. (39)		V. C.	115 E. 71
Lawrence, Lillie M. Tr. (40)		H. M. S.	414 W. 120
Lawrence, W. W. Assoc. Prof. (18)	M. W. 11–12	605 P.	618 W. 114
Leahy, S. R. Clin. Asst. (39)		V. C.	King's Co. Hospital, Bklyn.
Lee, Emma D. Lib'n App. Sci. Lib. (7)	Daily 9–12	307 E.	423 W. 120
Lee, F. S. Prof. (13)		P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof. (8)			Katonah, N. Y.
Le Roy, S. Asst. (40)		T.	40 W. 65
Leshure, J. Instr. (34)		V. C.	423 Convent Ave.
Leslie, E. H. Asst. (38)	M.–F. 10–11	110 Hv.	49 Claremont Ave.
Leslie, F. A. Instr. (40)		Phar.	327 W. 74
Levin, I. Assoc. (29)		P. & S	119 W. 71
Levine, S. Clin. Asst. (39)		V. C.	17 Varet, Bklyn.
Levine, V. E. Asst. (38)		P. & S.	34 St. Mark's Pl.
Lewis, R. Prof. (27)		P. & S.	48 W. 40
Libman, E. Prof. (27)		P. & S.	180 E. 64
Lieb, C. C. Asst. Prof. (24)		P. & S.	50 Central Pk. W.
Liggett, Mrs. N. W. Bursar of B. C. (7)	M.–F. 10–12:30; 2–4; S. 10–12	B.	
Lindsay, S. M. Prof. (18)	M. Tu. 9; Tu. Th. 3–5	611 K.	501 W. 120
Livingston, A. A. Asst. Prof. (23)	Daily 11–12	505 P.	237 W. 11
Lobenstine, R. W. Instr. (34)		P. & S.	162 E. 71
Lockhart, A. Tr. (40)		H. M. S.	527 W. 124
Lockwood, D. P. Asst. Prof. M. and Actg. Libr. (21)	1:30–2	513 Hm.	404 W. 115
Lockwood, G. R. Prof. (18)		P. & S.	18 E. 52
Lodge, G. Prof. (14)	M. W. 4–4:30	228 T.	500 W. 121
Logan, Amy L. Asst. to Prin. H. M. H. S. (40)		H. M. S.	106 Morningside Dr.
Loiseaux, L. A. Assoc. Prof. (16)	M. F. 1–2; W. 4	310 Hm.	519 W. 121
Lomer, G. R. Instr. (34)	M. W. 11–12; T. Th. 10–11	401 J.	Furnald
Long, W. B. Clin. Asst. (39)		V. C.	1257 Wash'n Ave.
Longacre, F. V. D. Assoc. (29)			
Longcope, W. T. Prof. (23)		P. & S.	680 Madison Ave.
Lord, A. W. Prof. (24)		406 A.	417 W. 114
Lord, H. G. Prof. (14)	Daily 10–11	615 Hm.	623 W. 113
Lovell, E. B. Prof. (13)	Tu. Th. 1–2; S. 10–11	409 E.	67 Myrtle Ave., Montclair, N. J.
Lowens, H. Clin. Asst. (39)		V. C.	491 E. 140
Lowther, Mrs. Florence de L. Asst. (38)	Tu. Th. 9–10	416 B.	610 Riverside Dr.
Lucke, C. E. Prof. (17)		304 E.	544 W. 142
Luft, H. L. Gym. Asst. (40)		Gym.	1012 Manhattan Ave., Bklyn.
Lunt, F. S. Tr. (40)		H. M. S.	529 W. 124
Luquer, L. McI. Asst. Prof. (16)		306 S.	
Lyle, H. H. M. Prof. (27)		P. & S.	50 E. 53
McAlpin, K. R. Asst. (38)		P. & S.	125 E. 57

Name	Office Hours	Office	Residence
McBain, H. L. Assoc. Prof. (25)	Tu. Th. 10–10:30	711 Hm.	456 Riverside Dr.
McCarthy, J. F. Instr. (34)		P. & S.	40 E. 41
McCastline, W. H. Univ. Med. Officer (7)	M. Tu. F. 2–4	E. H.	549 Riverside Dr.
McClure, M. T. Instr. (34)	Tu. Th. 2–3	705 P.	Livingston
McCormick, Mary G. Instr. (40)		T.	419 W. 119
McCrea, N. G. Prof. (14)	M. Tu. 3–3:30	709 P.	430 W. 119
McCreery, J. A. Instr. (34)		P. & S.	1024 Park Ave.
McFarlane, C. T. Prof. & Controller of T. C. (21)	M.-F. 10–12	122 T.	520 W. 121
McGiffert, A. C. Prof.		U. T. S.	606 W. 122
McGowan, Mrs. E. B. Instr. (40)		T.	281 Edgecombe Ave.
McGregor, J. H. Assoc. Prof. (18)		610 S.	Livingston
McKeown, Matilda J. Instr. (40)		T.	549 Riverside Dr.
McLean, S. Asst. (38)		P. & S.	776 Madison Ave.
McMackin, F. J. Asst. (38)		215 Hm.	522 W. 123
McMurry, F. M. Prof. (13)	M. W. F. S. 11	202 T.	9 Hillside Dr., Yonkers, N. Y.
McVey, Florence M. Tr. (40)		H. M. S.	419 W. 119
McWhorter, J. E. Instr. (34)		P. & S.	205 W. 107
McWilliams, C. A. Instr. (34)		P. & S.	32 E. 53
MacAlarney, Emma L. Tr. (40)		H. M. S.	500 W. 121
MacAlarney, R. E. Assoc. (29)	M. 9–12	405 J.	500 W. 121
MacCallum, W. G. Prof. (19)		P. & S.	981 Madison Ave.
Macdonald, Jessie K. Asst. (40)		T.	430 W. 119
Macgregor, J. S. Instr. (34)	Daily 9–10	308 E.	854 W. 181
MacKee, G. M. Instr. (34)		P. & S.	58 W. 58
Mackenzie, G. M. Asst. (33)		P. & S.	437 W. 59
Maclay, J. Prof. (14)	M. W. F. 10–11	506 Hm.	416 W. 122
Macmahon, A. W. Instr. (34)	M. W. F. 1–2; Tu. Th. 10–11	712 Hm.	Furnald
Macumber, J. L. Clin. Asst. (39)		V. C.	291 De Kalb Ave., Bklyn.
MacVannel, J. A. Prof. (16)	M. W. 3–4; S. 11–12	317 T.	411 W. 115
Macy, Cornelia P. Recorder (7)		421 L.	430 W. 119
Main, T. F. Sec. Coll. Phar. (7)		Phar.	Montclair, N. J.
Maltby, Margaret E. Assoc. Prof. (15)	M. W. 1–2	240 B.	400 W. 118
Manchester, Mrs. M. I. Instr. (40)		T.	508 W. 122
Mann, C. M. Clin. Asst. (39)		V. C.	64 W. 93
Mann, Elizabeth, Asst. (40)		T.	
Manning, G. R. Clin. Asst. (39)		V. C.	216 W. 100
Mansfield, W. Prof. (18)		Phar.	E. Orange, N. J.
March, Maud, Instr. (40)		T.	606 W. 116
Marquette, W. G. Assoc. Prof. (23)	W. 11–12	513 S.	Pleasantville, N. Y.
Martin, C. J. Instr. (40)		T.	562 W. 191
Martin, H. W. Tr. (40)		H. M. S.	108 Buckingham Rd., Yonkers, N. Y.
Martin, M. A. Asst. (38)	Tu. Th. 9–10	407 S.	400 W. 118
Martin, W. Prof. (27)		P. & S.	25 W. 50
Maslon, B. Lab. Asst. (40)		Phar.	71 E. 2
Mason, A. A. Gym. Instr. (40)		Gym.	2545 Valentine Ave.
Mason, D. G. Asst. Prof. (20)	M. 4–4:30	703 J.	207 W. 55
Mason, F. L. Instr. (34)	M. Tu. 10–12	501 E.	371 E. 152
Mason, H. H. Instr. (34)		P. & S.	134 E. 74

Name	Office Hours	Office	Residence
Mastick, S. C. Non-res. Lect. (37)			Pleasantville, N. Y.
Mathews, F. S. Asst. Prof. (25)		P. & S.	62 W. 50
Matthews, B. Prof. (12)	Tu. Th. 4	604 P.	337 W. 87
Matthews, F. Assoc. Prof. (25)	Daily 11–12; 3–5	404 J.	427 Manor Ave., Woodhaven, L. I.
Mayer, R. E. Assoc. Prof. (15)	Absent on leave first half-year	405 E.	151 Prospect Ave., Mt. Vernon, N. Y.
Mersereau, W. J. Asst. (38)		P. & S.	294 W. 92
Messer, W. S. Instr. (34)	M. 10–10:50	340 B.	
	W. 10–11	510 Hm	434 W. 120
Metzger, F. J. Asst. Prof. (22)	M. W. F. 11–12	305 Hv.	110 Morningside Dr.
Meyer, Anna E. H. Registrar of B. C. (6)	M.–F. 10–12; 2–4; S. 10–12	110 B.	15 Cedar Pl., Yonkers, N Y.
Meylan, G. L. Assoc. Prof. (15)	M. W. F. 10–11; 2–5; Tu. Th. 2–5; S. 10–12	Gym.	468 W. 141
Michaelis, A. Instr. (34)		P. & S.	5 W. 91
Miller, D. S. Prof. (18)			
Miller, E. G., Jr. Assoc. (29)		P. & S.	346 W. 57
Miller, F. Asst. (38)	Daily 9–12; 2–4	308 E.	1825 Eastchester Rd., Westchester
Miller, I. Clin. Asst. (39)		V. C.	901 E. 172
Miller, J. A. Prof. (20)		P. & S.	18 W. 51
Miller, R. F. Lib'n Col. Coll. (7)	M.–F. 9–12; S. 9–12	312 Hm.	502 W. 113
Miller, S. O. Asst. Prof. (22)	Daily 2–4	603 E.	West Nyack, N. Y.
Minnick, J. H. Tr. (40)		H. M. S.	509 W. 122
Mislig, M. Clin. Asst. (39)		V. C.	330 E. 72
Mitchell, H. B. Prof. (17)	Tu. 10 Absent on leave second half-year	304 Hm.	80 Wash'n Sq.
Mitchell, W. C. Prof. (26)	M. W. 3:30–4	512 K.	37 W. 10
Mixsell, H. R. Clin. Asst. (39)		V. C.	213 W. 70
Mohr, W. R. Chief Clerk Secy's Office	Daily 9–5	213 L.	530 W. 142
Monroe, P. Prof. (13)	Tu. Th. 10–11	321 T.	44 Prospect Dr., Yonkers, N. Y.
Montague, W. P. Assoc. Prof. (18)	W. 11–12	335 B.	
	W. 3–4	707 P.	600 W. 115
Montgomery, R. H., Asst. Prof. (26)	Tu. Th. 6–6:15	503 J.	525 West End Ave.
Mook, Mrs. Ruth R. Lect. (37)	Th. 10.50	407 B.	416 W. 129
Moore, Annie E. Instr. (40)		T.	419 W. 119
Moore, F. G. Prof. (21)	Tu. Th. 11–12	504 Hm.	15 Claremont Ave.
Moore, H. L. Prof. (15)		501 K.	
Moore, J. B. Prof. (11)	M. Tu. W. 9–11	513 K.	267 W. 73
Morecroft, J. H. Asst. Prof. (20)		508 E.	
Morgan, J. J. B. Asst. (38)	W. Th. F. 10	413 S.	Green Hill Road, Madison, N. J.
Morgan, J. L. R. Prof. (14)	Daily 9–10	411 Hv.	350 W. 55
Morgan, O. S. Prof. (23)	M. W. F. S. 11–12	511 S.	400 Convent Ave.
Morgan, T. H. Prof. (16)	Daily 12:20–1	S.	409 W. 117
Morse, L. B. Instr. (34)		410 F.	473 Grand Ave., Leonia, N. J.

Name	Office Hours	Office	Residence
Moschcowitz, A. V. Prof. (28)		P. & S.	925 Madison Ave.
Moses, A. J. Prof. (11)	M.–F. 4–5	307 S.	435 W. 119
Moss, L. D. Assoc. (29)	Tu.–F. 9–5; M. 9–1	510 E.	248 W. 131
Mudge, Isadore G. Ref. Lib'n (7)	M.–F. 10–6; S. 9–1	L.	146 E. 49
Muller, Bertha, Tr. (40)		H. M. S.	503 W. 121
Muller, H. F. Asst. Prof. (25)	Absent on leave first half-year		
Muller, H. J. Asst. (38)	M. Th. 11–12	613 S.	562 W. 150
Mullins, G. W. Instr. (34)	M. W. F. 10:50–11:50	B.	418 W. 118
Munroe, H. S. Prof. (11)		407 M.	
Mussey, H. R. Assoc. Prof. (19)	M.–Th. 9:35–10	308 B.	Croton - on - Hudson, N. Y.
Muzzey, D. S. Assoc. Prof. (23)	Tu. Th. 11–12	338 B.	492 Van Cortlandt Park Ave., Yonkers, N. Y.
Myers, E. E. Clin. Asst. (39)		V. C.	418 Central Pk. W.
Nagle, W. J. Tr. (40)		H. M. S.	Park Hill, Yonkers, N. Y.
Neal, Mabel A. Tr. (40)		Sp. S.	94 Lawrence
Neergaard, A. E. Instr. (34)		P. & S.	617 West End Ave.
Neish, A. C. Asst. Prof. (26)	Tu. W. Th. 11–12	610 Hv.	130 Claremont Ave.
Neitz, J. D. Tr. (40)		H. M. S.	527 W. 124
Nelson, J. M. Asst. Prof. (26)	Daily 1–3	409 Hv.	531 W. 124
Nichols, C. L. Clin. Asst. (39)		V. C.	
Nickel, F. F. Assoc. (29)			27 Winans, E. Orange, N. J.
Norrie, V. H. Prof. (18)		P. & S.	21 W. 37
Norris, H. L. Supt. Bldgs. & Grounds (7)	M.–F. 10–11	110 L.	Livingston
Norsworthy, L. D. Asst. Prof (25)	M. Th. 10–11	401 E.	430 W. 118
Norsworthy, Naomi, Assoc. Prof. (20)	M. W. F. 1:10; Tu. 9	337 T.	430 W. 118
Norton, Alma M. Asst. (40)		T.	519 W. 121
Norton, N. R. Instr. (34)		P. & S.	113 E. 70
Noyes, Clara D. Lect. (40)		T.	Bellevue Hosp'l
Noyes, W. Asst. Prof. (21)	Tu. Th. 10–11	232 T.	216 Hillside Ave., Leonia, N. J.
Nutting, Mary A. Prof. (17)	M. 3–4; M. W. F. 10–11	109 H. A.	411 W 115
Oastler, F. R. Prof. (27)		P. & S.	126 W. 59
Oberhummer, E. Visiting Austrian Prof. (27)			
O'Connell, Marjorie, Curator (37)	Daily 3–4	104 S.	
O'Connor, J. A. Clin. Asst. (39)		V. C.	902 West End Eve.
Odell, G. C. D. Prof. (14)	M. 3; Th. 11	604 Hm.	44 W. 44
Oehler, J. Asst. Prof. (17)		Phar.	Carlstadt, N. J.
Ogden, Helen, Tr. (40)		H. M. S.	39 Highland Ave., Orange, N. J.
Ogilvie, Ida H. Asst. Prof. (24)	Tu. Th. 10–11	214 B.	25 Claremont Ave.
Oliver, Mrs. Mary A. Tr. (40)		H. M. S.	420 W. 121
O'Neill, J. M. Clin. Asst. (39)		V. C.	Sanford Hall, Flushing, N. Y.
Oppenheimer, B. S. Asst. Prof. (28)		P. & S.	125 W. 86
Osborn, H. F. Prof. (11)		Am. Mus. Nat. Hist.	850 Madison Ave.

Name	Office Hours	Office	Residence
Osborne, J. I. Instr. (34)	M. W. F. 10–11	606 Hm.	Livingston
Osburn, R. C. Asst. Prof. (20)	W. F. 1–2	409 B.	557 W. 124
Osgood, C. Clin. Asst. (39)		V. C.	58 Central Pk. W.
Osgood, H. L. Prof. (11)		613 K.	526 W. 150
Ottenberg, R. Instr. (35)		P. & S.	15 W. 89
Owen, R. B. Lect. (37)	Tu. Th. 11–12	614 Hm.	Livingston
Packard, C. Instr. (35)	M. W. 9–12	605 S.	Hartley
Painter, H. M. Prof. (16)		P. & S.	62 W. 55
Panuska, F. C. Instr. (40)		T.	428 E. 77
Pappenheimer, A. M. Asst. Prof. (25)		P. & S.	309 W. 99
Pardee, H. E. B. Instr. (35)		P. & S.	156 E. 61
Parker, G. S. Asst. (38)	W. 9–10; 11–12; Th. 9–12; 1–4	202 P.	Furnald
Parker, Linette A. Instr.		T.	509 W. 121
Parr, H. L. Asst. Prof. (22)	Tu. Th. 11–12; W. F. 4–5	304 E.	35 Gilbert Pl., Yonkers, N. Y.
Pascale, V. Clin. Asst. (39)		V. C.	67 W. 96
Patrick, Sara L. Instr. (40)		T.	420 W. 119
Patterson, F. A. Asst. Prof. (26)	Tu. Th. 10:30–12; 2–3	306 P.	22 Arden Pl., Yonkers, N. Y.
Patterson, H. S. Asst. Prof. (24)		P. & S.	130 E. 62
Peabody, Mary G. Tr. (40)		H. M. S.	400 W. 118
Peacock, Mary H. Instr. (40)		T.	Whittier
Pearson, H. C. Prin. H. M. Sch. (15)	M. Tu. Th. 2–3; W. 8:45–10	H. M. S.	501 W. 120
Peck, C. H. Prof. (19)		P. & S.	30 W. 50
Peck, Florence E. Registrar of T. C. (6)	M.–F. 9–4:30; S. 9–12	104 T.	435 W. 123
Peckham, G. W., Jr. Asst. (38)	F. 10–11	615 Hm.	Livingston
Peele, R. Prof. (12)	M. F. 10–11; Tu. Th. 10–12	405 M.	490 West End Ave.
Pegram, G. B. Assoc. Prof. (19)		406 F.	Livingston Ave.
Perkins, Mrs. F. M. Tr. (40)		H. M. S.	175 Claremont Ave.
Perlzweig, W. A. Asst. (38)		P. & S.	1421 Prospect Ave.
Perry. E. D. Prof. (12)	M. F. 2:30–3:30	708 P.	542 W. 114
Peters, Ruth, Tr. (40)		H. M. S.	2272 B'way
Phelps, Alice E. Tr. (40)		H. M. S.	418 W. 118
Phelps, G. M. Asst. (38)		P. & S.	155 E. 79
Pickhardt, O. C. Asst. (38)		P. & S.	1042 Madison Ave.
Pike, F. H. Asst. Prof. (23)		P. & S.	Tenafly, N. J.
Pillsbury, Mary E. Asst. (40)		T.	419 W. 118
Pitkin, W. B. Assoc. Prof. (23)	W. 3–4	403 J.	Dover, N. J.
Poffenberger, A. T., Jr. Instr. (35)		409 S.	405 W. 118
Pomeroy, C. H. Bursar of T. C. (7)	Daily 9–4:30	102 T.	430 W. 119
Pool, E. H. Assoc. (29)		P. & S.	107 E. 60
Poor, C. L. Prof. (16)	Th. 9	614 F.	35 E. 69
Pope, Helene M. Asst. (40)		T.	160 Claremont Ave.
Porterfield, A. W. Instr. (35)	M. W. 2–3	114 B.	Livingston
Potter, N. B. Asst. Prof. (20)		P. & S.	591 Park Ave.
Pou, R. E. Clin. Asst. (39)		V. C.	20 W. 50
Powell, T. R. Assoc. Prof. (24)	Tu. Th. 10–12	511 K.	Livingston
Pratt, E. L. Clin. Asst. (39)		V. C.	

Name	Office Hours	Office	Residence
Pratt, Isabelle L. Recorder of T. C. (6)	M.–F. 10–12; 2–4; S. 10–12	107 T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.		H. M. S.	221 W. 104
Prescott, Harriet B. Lib. Sup. (7)		205 L.	36 Gramercy Pk.
Preston, G. B. Asst. Prof. (25)	M. W. 11–12	605 E.	200 Sylvan Ave., Leonia, N. J.
Prettyman, V. Prin. H. M. Sch. for Boys (13)	M. Tu. W. 10–11	H. M. S.	Fieldston, West 246th St.
Prévôt, M. Assoc. (29)	Absent on leave 1914–15		115 E. 30
Prime, F., Jr. Asst. (38)		C. R. L.	131 E. 66
Prince, J. D. Prof. (15)	M. 11–12	406 P.	Sterlington, N. Y.
Proben, C. I. Instr. (35)		P. & S.	160 E. 71
Prudden, T. M. Emer. Prof.			160 W. 59
Pupin, M. I. Prof. (12)			1 W. 72
Putnam, Mrs. G. H. Assoc. (29)	Tu. 10:30–11 by appointment	336 B.	335 W. 86
Quel, B. Clin. Asst. (39)		V. C.	217 E. B'way
Rainsford, L. F. Asst. (38)		P. & S.	981 Madison Ave.
Ramsdell, E. G. Instr. (35)		P. & S.	White Plains, N. Y.
Randolph, E. D. Asst. (40)		T.	512 W. 123
Rankin, Mary, Tr. (40)		H. M. S.	Whittier
Rautenstrauch, W. Prof. (17)	Tu. W. 9–10	510 E.	Palisade, N. J.
Raynor, Nina F. Tr. (40)		H. M. S.	
Rector, Bertha, Tr. (40)		Sp. S.	110 Morningside Dr.
Reddick, H. W. Instr. (35)	M.–F. 11:50	211 Hm.	Livingston
Redfield, H. S. Prof. (14)	Tu. Th. F. 10–12	408 K.	1925 Seventh Ave.
Reimer, Marie, Assoc. Prof. (19)	Tu. 1–2	438 B.	420 W. 118
Remer, J. Clin. Asst. (39)		V. C.	58 W. 58
Remy, A. F. J. Assoc. Prof. (18)	Tu. Th. 3–4	511 P.	204 W. 141
Remy, F. J. Clin. Asst. (39)		V. C.	253 W. 58
Reuben, M. S. Asst. (38)		P. & S.	1967 Seventh Ave.
Reynolds, J. E. Assoc. Prof. (24)	Absent on leave first half-year		1 W. 64
Richards, H. M. Prof. (15)	M. F. 10–11	316 B.	Faculty Club
Riesenfeld, E. A. Asst. (38)		P. & S.	152 W. 88
Riley, H. A. Asst. (38)		P. & S.	437 W. 59
Robbins, Ida E. Tr. (40)		H. M. S.	420 W. 119
Robbins, Very Rev. W. L. Dean Gen. Theol. Sem. (15)		G. T. S.	1 Chelsea Sq.
Robert, A. L. Lib'n Med. Sch. (7)	Daily 9–5	P. & S.	505 W. 112
Robert, Mrs. M. L. Tr. (40)		H. M. S.	1115 Amsterdam Ave.
Robinson, E. Dir. Met. Mus. Art (17)		Met. Mus.	84 Irving Pl.
Robinson, Ethel M. Tr. (40)		H. M. S.	131 E. 15
Robinson, J. H. Prof. (13)	Tu. Th. 9:30–10; and at 11; W. 3:30–4	601 K.	567 W. 113
Rockwell, Bertha L. Lib'n of B. C. (7)		B.	322 E. 197
Rockwell, W. W. Prof.		U. T. S.	B'way and 120

Name	Office Hours	Office	Residence
Roff, A. W. Clin. Asst. (39)		V. C.	68 W. 92
Rogers, Lillian E. Tr. (40)		H. M. S.	
Rogers, O. H. Lect. (37)		P. & S.	346 Broadway
Rohdenburg, G. L. Asst. (38)		C. R. L.	
Roon, L. Instr. (40)		Phar.	Port Washington, L. I.
Rose, Mrs. Mary D. S. Asst. Prof. (21)		415 H. A.	449 W. 123
Rosen, I. Clin. Asst. (39)		V. C.	368 W. 118
Rosenthal, A. Clin. Asst. (39)		V. C.	51 E. 96
Rowe, Alice E. Tr. (40)		H. M. S.	508 W. 112
Rübner, C. Prof. (16)	Th. 10–11	701 J.	316 W. 94
Ruger, H. A. Asst. Prof. (22)	M. W. F. 2	T.	854 W. 181
Runyon, E. W. Asst. Sec. Coll. Phar.		Phar.	319 State, Bklyn.
Rusby, H. H. Prof. & Dean Coll. Phar. (16)		Phar.	776 De Graw Ave., Newark, N. J.
Russell, J. E. Prof. & Dean Teachers Coll. (13)	M.–F.	T.	500 W. 121
Russell, J. I. Instr. (35)		P. & S.	37 E. 61
Russell, Martha M. Supt. Sloane Hosp'l			447 W. 59
Ryder, G. H. Instr. (35)		P. & S.	45 W. 50
Sachs, J. Prof. (15)	Absent on leave first half-year	T.	225 W. 86
Sailer, T. H. P. Assoc. (40)	M. Tu. 1–2; Tu. 3–4; F. 9–10	220 T.	Englewood, N. J.
Sait, E. M. Asst. Prof. (24)	W. 1–3; Th. 10–12	508 J.	512 W. 122
Sait, Mrs. Una B. Asst. (38)	M. W. F. 1–4:10; Th. 10:40–12	338 B.	512 W. 122
Sammis, J. F. Asst. (38)		P. & S.	272 W. 90
Sanford, C. H. Clin. Asst. (39)		V. C.	109 E. 80
Sanford, Laura, Sec. Phys. Ed. T. C. (40)		T.	90 Morningside Dr.
Saunders, T. L. Instr. (35)		P. & S.	383 Park Ave.
Saville, M. H. Prof. (15)		Am. Mus. Nat. Hist.	292 W. 92
Sawyer, C. P. Press Representative			22 Vesey
Scarlett, A. J. Lab. Asst. (38)			
Scatchard, G. Asst. (38)		421 Hv.	Furnald
Schloss, O. M. Asst. (38)		P. & S.	54 W. 104
Schnepel, G. A. Clin. Asst. (39)		V. C.	238 W. 106
Schroeder, F. C. Asst. Prof. (25)	M. W. 10–11	606 F.	220 Wadsworth Ave.
Schulman, M. Instr. (35)		P. & S.	1845 Seventh Ave.
Schulte, H. von W. Assoc. Prof. (19)		P. & S.	202 W. 86
Schulze, H. H. L. Instr. (35)	M. 10–11 Tu. 3–4	409 Hm. 608 J.	43 Ridge Dr., Yonkers, N. Y.
Schuyler, R. L. Asst. Prof. (22)	M. W. 11–12	718 Hm.	622 W. 137
Schwable, Bertha, Tr. (40)		Sp. S.	280 Ft. Washington Ave.
Schwartz, H. W. Clin. Asst. (39)		V. C.	924 West End Ave.
Schwerdtfeger, O. M. Instr. (35)		P. & S.	54 E. 58
Scott, E. L. Assoc. (29)		P. & S.	258 Woodworth Ave., Yonkers, N. Y.

Name	Office Hours	Office	Residence
Scott, G. A. Asst. (38)			
Seager, H. R. Prof. (14)	Tu. Th. 2:10–3	514 K.	26 Jones
Seaman, Emily C. Instr. (40)		T.	511 W. 112
Seibert, Janet R. Recorder Dept. Phys. Ed. T. C. (40)		T.	620 W. 122
Seidler, V. B. Asst. (38)		P. & S.	437 W. 59
Seligman, E. R. A. Prof. (11)	Tu. Th. 2–3	512 K.	324 W. 86
Severinghaus, W. L. Instr. (35)	M. Th. 10–12	405 F.	417 W. 120
Shaine, M. S. Clin. Asst. (39)		V. C.	204 W. 138
Shannon, J. V. Tr. (40)		H. M. S.	515 W. 122
Shapleigh, Bertha E. Instr. (40)		T.	508 W. 122
Sharp, J. C. Instr. (35)		P. & S.	436–9th St., Bklyn.
Sharpe, N. Clin. Asst. (39)		V. C.	
Sharpe, W. Clin. Asst. (39)		V. C.	20 W. 50
Shear, T. L. Assoc. (29)			
Shearer, L. H. Instr. (35)		P. & S.	449 Park Ave.
Sheldon, Carolyn, Asst. (39)		B.	
Shenton, H. N. Asst. (39)	M. W. 3–4; F. 1:30–2	503 K.	Livingston
Shepherd, W. R. Prof. (17)	W. 2–4	612 K.	468 Riverside Dr.
Sherman, F. D. Prof. (12)	M.–F. 2–4	409 A.	501 W. 110
Sherman, H. C. Prof. (17)	M. W. 2–3	509 Hv.	Hastings, N. Y.
Shields, F. S. Clin. Asst. (39)		V. C.	
Shookhoff, C. Clin. Asst. (39)		V. C.	589 Lorimer, Bklyn.
Shotwell, J. T. Prof. (17)	M. 4–5; Tu. 3–4	508 K.	612 W. 112
Shumway, W. Asst. (39)		602 S.	472 E. 18, Bklyn.
Siceloff, L. P. Asst. Prof. (24)	Tu. Th. 9:30–11	210 Hm.	12 Jane, Englewood, N. J.
Sill, Ruth P. Instr. (40)		T.	622 W. 113
Silleck, W. M. Clin. Asst. (39)		V. C.	19 W. 122
Silver, L. M. Asst. (39)		P. & S.	103 W. 72
Simkhovitch, V. G. Assoc. Prof. (17)	Tu. Th. 1–2	514 K.	26 Jones
Simpson, W. B. Clerk, Coll. Phar. (6)	Daily 9–5	Phar.	44 Morton Pl., E. Orange, N. J.
Singer, D. A. Clin. Asst. (39)		V. C.	42 W. 114
Sittenfield, M. J. Instr. (35)		P. & S.	73 E. 90
Skáberne, F. For. Corres. of T. C. for Austria (7)			Minoritenplatz 5, Vienna I
Sleffel, C. C. Asst. Prof. (23)	Tu. 10–11	507 E.	
	Th. 4–5	T.	195 Claremont Ave.
Slichter, W. I. Prof. (21)	Tu. F. 10–11	504 E.	450 Riverside Dr.
Sloane, W. M. Prof. (13)			163 E. 74
Slonimsky, H. Lect. (37)	Tu. 11–12	335 B.	
	Tu. 4–5	701 P.	Livingston
Slosson, E. E. Assoc. (29)	F. 4–4:30	512 J.	530 W. 123
Smith, A. Prof. (23)	M. W. F. 10–12; Tu. Th. 10–11	302 Hv.	593 Riverside Dr.
Smith, C. H. Instr. (35)		P. & S.	2880 B'way
Smith, D. E. Prof. (14)	Absent on leave 1914–15	T.	
Smith, E. R. Ref. Lib'n (7)	Daily 2–5	A.	Hartley
Smith, Emma P. Sec. for Women Grad. Students (6)	M. W. F. 3–5 Tu. Th. 10–12	301 P.	Brooks

Name	Office Hours	Office	Residence
Smith, M. P. Instr. (40)		T.	106 Morningside Dr.
Smith, Munroe, Prof. (11)	M. W. 3-3:30	402 K.	169 E. 70
Smith, W. S. Asst. (39)	Tu. Th. 10–11; W. 1–2	301 S.	2940 B'way
Snyder, E. J. Clin. Asst. (39)		V. C.	
Snyder, R. G. Instr. (35)		P. & S.	375 Park Ave.
Southall, J. P. C. Asst. Prof. (26)		609 F.	106 Morningside Dr.
Southard, Lydia, Instr. (40)		T.	Whittier
Spohr, Wilhelmina, Instr. (40)		T.	501 W. 120
St. John, F. B. Instr. (35)		P. & S.	981 Madison Ave.
Stackpole, Caroline E. Instr. (40)		T.	44 Church, New Rochelle, N. Y.
Stacy, L. J. Tr. (40)		H. M. S.	Livingston
Stadtmüller, N. Prof. (27)		P. & S.	132 E. 60
Starr, M. A. Prof. (11)		P. & S.	5 W. 54
Steele, Irene M. Tr. (40)		H. M. S.	15 Claremont Ave.
Steele, Roxana A. Tr. (40)		H. M. S.	15 Claremont Ave.
Steeves, H. R. Asst. Prof. (26)	Tu. 2–2:30; M. 10–12; Tu. Th. 2:30–4; F. 10–11	610 Hm. 310 East	596 Riverside Dr.
Steinke, F. Clin. Asst. (39)		V. C.	
Stephenson, J. W. Clin. Asst. (39)		V. C.	42 W. 84
Stern, R. L. Clin.Asst. (39)		V. C.	
Stetten, D. Instr. (35)		P. & S.	115 W. 87
Stevens, C. T. Clin. Asst. (39)		V. C.	New Rochelle, N. Y.
Stevens, Romiett, Asst. Prof. (24)	M. S. 11–12; F. 3–4	227 T.	130 Claremont Ave.
Stewart, Isabel M. Instr. (40)		T.	617 W. 127
Stewart, Mary W. Asst. (39)		B.	
Stewart, R. R. Asst. (39)	Tu. F. 1–2	512 S.	512 W. 171
Stifler, W. W. Instr. (35)	W. S. 11–12	305 F.	Furnald
Stillman, A. Instr. (35)		P. & S.	37 E. 61
Stillman, E. G. Asst. (39)		P. & S.	830 Park Ave.
Stone, H. F. Prof. & Dean of Law Sch. (21)	M. Tu. Th. 11 M. W. F. 12:20	404 K.	2 Chestnut, Englewood, N. J.
Stone, Theo R. Tr. (40)		H. M. S.	434 W. 120
Stout, A. P. Instr. (35)		P. & S.	574 Madison Ave.
Stowell, E. C. Asst. Prof. (25)	M. Tu. 2–3	506 J.	435 Riverside Dr.
Stowell, E. S. Lect. (40)		T.	Briarcliff Manor, N. Y.
Stratton, G. F. Tr. (40)		H. M. S.	Livingston
Strauss, F. A. Lab. Asst.		Hv.	Hartley
Strayer, G. D. Prof. (18)	Tu. 11; Th. 11 and 3	217 T.	W. 246th St., Riverdale
Strong, Anne H. Instr. (40)		T.	265 Henry
Strong, Mrs. Helen, Tr. (40)		Sp. S.	94 Lawrence
Strong, O. S. Instr. (36)		P. & S.	Livingston
Stuart, Florence, Tr. (40)		H. M. S.	312 E. 7, Plainfield, N. J.
Sturtevant, E. H. Asst. Prof. (24)	W. 11:10–11:30	510 Hm.	21 Sterling Pl., Edgewater, N. J.
Sturtevant, Ethel, Instr. (36)	M. W. F. 11–11:20	137 B.	535 W. 113

Name	Office Hours	Office	Residence
Sumner, A. E. Assoc. (29)		P. & S.	127 W. 58
Sutherland, Louise C. Instr. (40)		T.	106 Morningside Dr.
Suzzallo, H. Prof. (19)	M. W. 4; Tu. Th. 10	314 T.	606 W. 116
Swift, G. M. Assoc. (29)		P. & S.	20 W. 55
Swift, H. F. Assoc. Prof. (26)		P. & S.	65 Central Pk. W.
Tallman, Lavinia, Instr. (40)		T.	501 W. 120
Tannahill, Sallie B. Instr. (40)		T.	420 W. 116
Tassin, A. De V. Asst. Prof. Th. (20)	2–4	611 Hm.	16 Gramercy Pk.
Taylor, H. C. Prof. (27)		P. & S.	32 W. 50
Taylor, R. Instr. (36)	M. 11–12		Livingston
Tenney, A. A. Asst. Prof. (22)	M. W. 5	506 K.	400 W. 118
Terry, A. H., Jr. Instr. (36)		P. & S.	411 Convent Ave.
Terry, B. T. Instr. (36)		P. & S.	1934 Bedford Ave., Bklyn.
Terry, C. T. Prof. (14)	M. Tu. Th. F. 5:30–6	409 K.	62 E. 58
Thacher, H. C. Assoc. (29)		P. & S.	20 W. 50
Thacher, J. S. Prof. (40)		P. & S.	20 W. 50
Thatcher, E. Instr. (40)		T.	239 E. 19
Thomas, A. W. Instr. (36)	Daily 11–12	513 Hv.	Palisades Park, N. J.
Thomas, C. Prof. (13)	W. F. 11–12	513 P.	490 Riverside Dr.
Thomas, C. W. Asst. Prof. (22)		510 E.	Tenafly, N. J.
Thornton, Anna C. Instr. (40)		T.	61 Hamilton Pl.
Thorndike, A. H. Prof. (17)	M. W. 3–4	614 P.	Waldo Ave.
Thorndike, E. L. Prof. (14)	M. W. 10 and 3	329 T.	Montrose, N. Y.
Thurston, E. D., Jr. Asst. Prof. (26)	M. F. 4–5	606 E.	521 W. 112
Tilney, F. Assoc. Prof. (25)		P. & S.	161 Henry, Bklyn.
Tobey, Mrs. E. S. Instr. (40)		T.	195 Claremont Ave.
Todd, H. A. Prof. (12)	M. W. 5	501 P.	824 West End Ave.
Tower, R. W. Hon. Curator (37)		Am. Mus. Nat. Hist.	New Rochelle, N. Y.
Trent, W. P. Prof. (13)	Th. 12:30–1	608 P.	139 W. 78
Trowbridge, C. C. Asst. Prof. (24)	Tu.–S. 10	509 F.	434 Riverside Dr.
Tucker, D. S. Lect. (37)	Tu. Th. F. 11–12	706 Hm.	502 W. 113
Tucker, S. A. Asst. Prof. (17)	Daily 9–12	312 Hv.	155 E. 61
Turck, Viola Asst. (39)		B.	
Tuttle, G. A. Asst. Prof. (24)		P. & S.	49 W. 49
Twentyman, A. E. For. Corres. of T. C. for England and Wales (7)			Board of Education, Whitehall, London, S. W.
Tyson, H. H. Instr. (36)		P. & S.	47 W. 51
Tyson, L. Sec. Alumni Federation		East	520 W. 124
Ulrey, C. Asst. (39)		303 F.	Furnald
Upton, C. B. Asst. Prof. and Sec. of T. C. (22)	M.–F. 9–5; S. 9–12	106 T.	500 W. 121
Upton, Mrs. S. H. Tr. (40)		H. M. S.	500 W. 121
Valentine, Laura, Lib. & Soc. Worker Sp. S. (7)		Sp. S.	94 Lawrence

Name	Office Hours	Office	Residenec
Van Amringe, J. H. Emer. Prof. (8)			48 W. 59
Van Arsdale, May B. Asst. Prof. (22)		209 H. A.	457 W. 123
Van Beuren, F. T. Asst. (39)		P. & S.	812 Park Ave.
Van der Bent, T. J. Lect. (40)		T.	548 W. 162
Vanderbilt, Sadie B. Instr. (40)		T.	509 W. 121
Vanderburgh, F. A. Lect. (37)	W. 11–12	406 P.	53 Washington Sq.
Van Deventer, Mabel, Sec. Sp. S. (40)		Sp. S.	94 Lawrence
Van Doren, C. Asst. Prof. (26)	M. W. F. 10:30–11	608 Hm.	414 W. 120
Van Etten, R. C. Instr. (36)		P. & S.	
Van Hook, L. R. Assoc. Prof. (21)	Tu. Th. 10; W. F. 3	340 B.	417 W. 114
Van Noppen, L. C. Queen Wilhelmina Lect. (27)	M. W. 3–4	510 P.	434 W. 120
Van Sant, J. T. Tr. (40)		H. M. S.	609 W. 127
Van Wagenen, C. D. Clin. Asst. (39)		V. C.	616 Madison Ave.
Vaughan, J. C. Instr. (36)		P. & S.	181 W. 75
Vexler, F. N. Lib'n Sch. Philos. (7)		703 P.	850 E. 163
Vietor, J. A. Asst. (39)		P. & S.	875 Park Ave.
Vogel, K. M. Asst. Prof. (19)		P. & S.	680 Madison Ave.
Vogeler, W. J. Clin. Asst. (39)		V. C.	Yonkers, N. Y.
Voorhees, J. D. Assoc. Prof. (18)		P. & S.	106 E. 60
Vorisek, A. Prof. (18)		Phar.	431 Fourth Ave., Long Island City
Vosburgh, A. S. Instr. (36)		P. & S.	137 E. 39
Vulte, H. T. Asst. Prof. (16)	W. 4–5	413 H. A.	33 Park Ave., New Rochelle, N. Y.
Wachsman, S. Prof. (27)		P. & S.	210 Gun Hill Rd.
Wadelton, Helen C. Recorder		421 L.	414 W. 119
Wagner, W. L. Lect. (37)		M.	429 Fourth, Bklyn.
Wald, Lillian D. Lect. (40)		T.	265 Henry
Walker, A. L. Prof. (19)	Absent on leave first half-year	512 M.	Morristown, N. J.
Walker, J. B. Prof. (19)		P. & S.	50 E. 34
Walker, M. Barbour, Sec. to Dean T. C.		T.	411 W. 114
Walsh, J. J. Instr. (40)		T.	5000 B'way
Walther, E. C. Tr. (40)		Sp. S.	94 Lawrence
Ward, F. E. Assoc. (29)	Th. 10:30–11:30	703 J.	430 W. 118
Ward, W. Assoc. (29)		P. & S.	24 W. 50
Ware, A. Assoc. (29)		A.	1 W. 94
Ware, W. R. Emer. Prof. (8)			Milton, Mass.
Warner, L. A. Asst. Prof. (22)	F. 2	505 T.	Bronxville, N. Y.
Warren, C. P. Asst. Prof. (19)	Tu. Th. 10–11	403 A.	Hillsdale, N. J.
Warren, E. L. Clin. Asst. (39)		V. C.	375 Park Ave.
Watson, Ruth, Tr. (40)		H. M. S.	434 W. 120
Webb, H. W. Asst. Prof. (25)	Daily 11–12	406 F.	Furnald
Weeks, Florence L. Tr. (40)		H. M. S.	
Weeks, Mabel F. Assoc. (29)	Th. 10–11	136 B.	Brooks
Weeks, R. Prof. (20)	Tu. Th. 10–11	111 B.	620 W. 122
Weick, C. W. Asst. Prof. (23)	Daily 10–11	322 T.	507 W. 124
Weinberger, W. Assoc. (30)		P. & S.	

Name	Office Hours	Office	Residence
Weinrich, M. F. Instr. (36)	S. 10–11	305 F.	99 Claremont Ave.
Weinstein, J. W. Clin. Asst. (39)		V. C.	16 E. 96
Weir, R. F. Emer. Prof. (8)			30 W. 50
Weiser, Lucy H. Tr. (40)		H. M. S.	503 W. 121
Wendell, G. V. Prof. (21)		511 F.	25 Claremont Ave.
Wheeler, Clara M. Tr. (40)		H. M. S.	
Wheeler, Elizabeth H. Recorder Med. Fac. (7)		P. & S.	437 W. 59
Wheeler, J. R. Prof. (12)		708 P.	433 W. 117
Wheelock, Mrs. E. M. Tr. (40)		H. M. S.	500 W. 121
Wheelwright, J. S. Assoc. (30)		P. & S.	515 Madison Ave.
Whipple, A. O. Instr. (36)		P. & S.	981 Madison Ave.
Whitaker, F. P. Asst. (39)			
Whitaker, M. C. Prof. (21)	Daily 9–11	305 Hv.	461 Ft. Washington Ave.
Whitin, E. S. Asst. (39)		611 K.	507 W. 113
Whiting, J. R. Instr. (36)		P. & S.	17 E. 38
Whitley, Mary T. Asst. Prof. (26)	M. Tu. F. 11; W. S. 10; Th. 3	336 T.	2334 Andrews Ave.
Whitman, R. Asst. Prof. (18)		P. & S.	283 Lexington Ave.
Whittemore, H. L. Instr. (36)	M. W. 10	606 F.	54 Morningside Dr.
Wiener, H. J. Clin. Asst. (39)		V. C.	142 W. 71
Wiethan, May J. Instr. (40)		T.	70 Morningside Dr.
Wilcox, H. B. Instr. (36)		P. & S.	159 E. 70
Willhöfft, F. O. Instr. (36)	Tu.–S. 4–5	207 E.	1161 Amsterdam Ave.
Williams, H. B. Assoc. (30)		P. & S.	515 Madison Ave.
Williams, J. F. Asst. Prof. (26)	M. W. F. 1	351 T.	90 Morningside Dr.
Williams, P. H. Instr. (36)		P. & S.	249 W. 72
Williams, R. H. Tr. (40)		H. M. S.	
Williams, T. Prof. and Dir. Sch. Journ. (23)	M. Tu. Th. 11–12; S. 9–10	207 J.	423 W. 117
Williams, W. R. Assoc. Prof. (19)		P. & S.	67 W. 85
Wills, A. P. Prof. (17)	W. F. 11–12	502 F.	635 W. 115
Wilmot, Ruth, Instr. (40)		T.	62 Montague, Bklyn.
Wilson, C. Asst. (40)		T.	114 E. 66
Wilson, E. B. Prof. (12)		608 S.	
Wilson, Mary F. Act'g Lib'n Nat. Sci Lib. (7)		301 S.	618 W. 114
Wilson, W. H. Assoc. (40)	W. F. 10	T.	156 Fifth Ave.
Wimmer, C. P. Asst. Prof. (21)		Phar.	522 Seventh, Bklyn.
Winchell, Cora M. Asst. Prof. (26)	M. Th. 11–12	112 T.	176 Elm Ave., Mt. Vernon, N. Y.
Winslow, C.-E. A. Assoc. (40)		T.	411 W. 114
Winslow, Emma A. Asst. (40)		T.	521 W. 122
Wise, F. Instr. (36)		P. & S.	24 W. 59
Woellner, F. P. Tr. (40)		Sp. S.	94 Lawrence
Woglom, W. H. Asst. Prof. (24)		C. R. L.	110 Morningside Dr.
Wood, F. C. Dir. Cancer Research (16)		C. R. L.	200 W. 56
Wood, R. U. Asst. (39)	M.–F. 11–12	512 M.	462 Convent Ave.
Wood, T. D. Prof. (7)	Daily 9–10	T.	501 W. 120
Woodbridge, F. J. E. Prof. and Dean Grad. Fac. (15)	M. 2–4; Daily exc. Th. 11–12	305 East	Montrose, N. Y.

Name	Office Hours	Office	Residence
Woodhull, J. F. Prof. (13)	Tu. 11	413 T.	612 Van Cortlandt Park Ave., Yonkers, N. Y.
Woodruff, I. O. Instr. (36)		P. & S.	152 W. 78
Woodworth, R. S. Prof. (17)	Tu. 10; Th. 4; F. 3	405 S.	Montrose, N. Y.
Woolsey, W. C. Asst. (39)		P. & S.	88 Lafayette Ave., Bklyn.
Wright, E. H. Asst. Prof. (26)	M. W. 4–5	606 P.	Faculty Club
Wyman, G. H. Tr. (40)		H. M. S.	Furnald
Yampolsky, C. Asst. (39)			
Yates, Anna B. Asst. (39)	Tu. F. 10–11	436 B.	417 W. 118
Yeomans, F. C. Instr. (36)		P. & S.	230 W. 59
Yohannan, A. Lect. (37)			
Young, C. H. Prof. (14)	W. 10–10:30 W. 4–5	510 Hm. 711 P.	312 W. 88
Young, D. B. Asst. (39)			Hartley
Yunck, Bernadine M. Asst. (40)		T.	422 Meeker, S. Orange, N. J.
Zanetti, J. E. Asst. Prof. (25)	W. 10–12	604 Hv.	107 E. 72
Zelaya, A. Clin. Asst. (39)		V. C.	142 W. 64
Zerbe, Margaret M. Instr. (40)		T.	Carnegie Hall
Zinsser, H. Prof. (25)		P. & S.	320 W. 104

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

c College
l School of Law
m School of Medicine
p School of Pure Science
ph School of Philosophy
ed School of Education (Teachers College)
a School of Architecture
pa School of Practical Arts (Teachers College)
pl School of Political Science
s Schools of Mines, Engineering and Chemistry
j School of Journalism
b Barnard College
mus Music
phar College of Pharmacy

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation *gr* indicates a graduate student in the professional schools, *sp* a special matriculated student, *nm* a non-matriculated student.

The names of women are indicated by a dagger (†).

"Hartley," "Livingston," "Furnald," "Brooks," and "Whittier" refer to the University Residence Halls.

For names of students not in Directory, see Class lists in Annual Catalogue, and for addresses consult card index in Office of Registrar.

Aaronson, G. G. † 2 *b*
385 Ft. Washington ave.
Aaronson, R. E. † *nm b*
3100 B'way
Abbot, A. G. † *ph* 523 E. 121
Abbott, E. M. † *ph* Whittier
Abbott, G. † 1 *pa*
79 Ashburton ave., Yonkers
Abbott, J. M. † 4 *ed*
47 Claremont ave.
Abele, R. P. 1 *l* 610 W. 115
Abell, R. A. 1 *c* 44 Hamilton Ter.
Abelov, I. 1 *c*
463 Willoughby ave., Bklyn.
Abkarian, V. S. 2 *s* 19 W. 119
Ablahadian, E. † *nm pa*
507 W. 121
Ablowich, H. L. † *nm pa*
501 W. 110
Abraham, G. C. *nm c* 145 W. 104
Abraham, I. † *ph* 126 E. 83
Abrahams, H. B. 1 *c*
1200 Madison ave.
Abrahamson, E. M. 1 *c*
2571 Atlantic ave., Bklyn.
Abrams, J. F. † 3 *ed* 134 W. 129
Abramson, A. E. 1 *c*
2448 Pitkin ave., Bklyn.
Accurso, C. † 1 *b* 449 E. 116
Achilles, P. S. *pl* 600 W. 122
Acker, J. G. 2 *j*
136 Westminster Rd., Bklyn.
Ackerle, I. V. † *ph* 242 E. 235
Ackerman, F. † 2 *b*
2 Hawthorne, Orange
Ackerman, I. *phar* 216 W. 108
Ackerman, M. E. † 3 *pa* 152 W. 93
Ackerman, R. W. 3 *s* Scarsdale
Ackerman, S. W. *phar*
143 Main, Poughkeepsie
Acosta, J. A., Jr. 2 *c*
308 McDonough, Bklyn.
Adair, H. † 4 *b* Brooks
Adams, B. † 3 *pa* Whittier
Adams, E. † *p* 418 W. 118
Adams, E. R. † 1 *b* 314 W. 114
Adams, H. † *ph*
106 Morningside Dr.
Adams, H. B. 2 *c* 3100 B'way
Adams, H. C. 3 *l* Livingston
Adams, L. A. *p*
1116 Amsterdam ave.
Adams, L. E. W. † *ph* 541 W. 123
Adams, M. † 1 *b* Brooks
Adams, M. K. † 3 *pa* Faculty Club
Adams, M. P. *gr ed* 105 E. 22

Adams, O. H. 2 *l* Hartley
Adams, P. E. 2 *l* Garden City
Adams, R. C. † 2 *b*
312 Manhattan ave.
Adams, W. C. 1 *j* Hartley
Adelstein, G. † 2 *b* 110 W. 86
Adikes, A. M. † *pl*
211 Fulton, Jamaica
Adler, A. A. *p* 507–3, Bklyn.
Adler, E. † *phar*
316 Hinsdale, Bklyn.
Adler, J. *phar* Stamford
Adler, M. B. *a* 130 E. Houston
Adler, R. † *pl* 152 W. 77
Adler, S. † 1 *b* 611 W. 141
Adlerblum, C. *p*
1652 Mt. Hope ave.
Agar, J. G., Jr. *nm c* Livingston
Agashkein, N. *phar* 32 W. 94
Aghnides, N. P. *pl* 554 W. 114
Ahrens, G. F. *phar*
165 Lexington ave., Passaic
Ahrens, H. F. 3 *m* 217 W. 140
Ahrens, S. V. † 1 *pa*
421 Dyckman, Peekskill
Aikins, C. † 2 *b* 547 Riverside Dr.
Aimee, J. M. 1 *c*
112 Rochester ave., Bklyn.
Aitken, A. M. † 3 *pa*
426 Central Pk. W.
Aitken, R. T. *ph* 414 W. 121
Ajamian, A. *phar* 514 W. 50
Akamatsu, S. *pl* 60 Wall
Akerstrom, E. F. † 1 *b*
616 E. 21, Bklyn.
Albert, E. † 3 *b*
Heathcote Hill, Mamaroneck
Albrecht, B. † 3 *b* 1417 Vyse ave.
Albrecht, I. W. 2 *c*
75 Grove, Bklyn.
Albright, R. *pl* 600 W. 122
Alcácer, I. S. *nm s* 240 W. 116
Alden, A. G. *ph*
190 Nesbit Ter., Irvington
Alden, C. E. † *nm pa*
30 E. 33, Bayonne
Alden, F. A. *gr ed*
123 Mt. Joy, New Rochelle
Alden, J. W. 4 *s*
465 Ridge, Newark
Aldrich, B. McC. *gr ed* Nyack
Aldridge, A. H. *pl* Peekskill
Alexander, B. R. † 3 *b*
1442 Fifth ave.
Alexander, C. M. *p*
140 Claremont ave.
Alexander, L. *p* 1457 Bryant ave.
Alexander, M. V. † *ph* Whittier
Alexander, V. M. † *nm pa*
340 W. 85
Alfke, E. V. † *gr ed* 346 E. 29
Alfonzo, J. † 1 *pa*
272 Kingsland Rd., Nutley
Alleman, M. † 1 *b* Brooks
Allen, B. J. † *gr ed* 500 W. 122
Allen, D. H. 2 *c* 604 W. 115
Allen, E. M. † 4 *pa*
50 W. 2, Mt. Vernon
Allen, E. T. 3 *s* Hartley
Allen, G. A. † *nm ed*
130 So. 3, Mt. Vernon
Allen, H. F. 4 *s* Hartley
Allen, M. † 3 *pa*
28 Beech, E. Orange
Allen, M. E. † *nm ed*
50 W. 2, Mt. Vernon
Allen, M. N. † 3 *j* 419 W. 119
Allen, P. M. 1 *m*
Allen, W. C. 2 *c* 558 W. 113
Allen, W. S. *gr ed* 416 W. 118
Allianiello, A. F. *phar* 217 E. 113
Alling, E. L. 1 *l* Livingston
Allison, B. R. 4 *m* 421 W. 57
Allison, G. E. † 4 *pa*
191 Claremont ave.
Allison, J. † *nm ed* 283 Rivington
Allison, J. W., Jr. 3 *c* 431 W. 117
Allison, S. W. 2 *c*
385 Central Pk. W.
Almand, B. 2 *l* Livingston
Alstat, P. R. *gr ed*
Alstet, M. A. *ph* 531 W. 123
Altenberg, L. 4 *s* 1207–47, Bklyn.
Altenburg, E. *p* Furnald
Altschul, H. G. † *pl* 21 W. 81
Alvord, T. H. *ph* Livingston
Alzamora, I. C., Jr. 1 *c*
925 West End ave.
Amant, A. 4 *c* 1472 Madison ave.
d'Amato, O. 4 *ed* 451 E. 119
Ambedkar, B. K. *pl* 554 W. 114
Amberson, J. D. † 3 *pa* Whittier
Ambrose, F. E. *phar*
926 Whitlock ave.
Amdursky, I. J. 2 *m* 200 E. 21
Amedeo, J. B. *phar* 255 Lafayette
Amer, R. † 2 *pa* 456 E. 19
Amerigo, C. P. *phar*
133 Waverly Place
Amerman, B. M. † *nm ed*
Closter
Ames, C. L. † 3 *pa* 509 W. 122
Amico, P., Jr. *phar* Kingsbridge
Amidon, B. † 4 *b* Brooks

Amos, W. A. *pl* 814 Hudson, Hoboken
Amsden, M. † 3 *pa* 414 W. 120
Amson, S. † 1 *b* 1060 Forest ave.
Amy, E. V. 2 *s* 48 W. 70
Anderson, A. L. † 1 *pa* 958–72, Bklyn.
Anderson, B. G. 3 *s* Furnald
Anderson, E. L. 1 *m* 509 W. 122
Anderson, G. C. 2 *m* City Hospital
Anderson, G. M. † *nm ed* 265 Madison, Bklyn.
Anderson, H. R. *gr ed* 518 W. 132
Anderson, J. C. *ph* 430 W. 118
Anderson, J. G. *gr ed* 546 W. 124
Anderson, J. H. *nm p* 337 Lincoln Rd., Bklyn.
Anderson, M. A. † 4 *pa* Whittier
Anderson, M. D. † 2 *pa* 112 Primrose ave., Mt. Vernon
Andrew, V. † *gr ed* Whittier
Andrews, G. C., Jr. 1 *m* 65 Park ave.
Andrews, H. D. † *pl* Lawrence Park
Andrews, L. E. † 3 *pa* Whittier
Andrews, S. T. † *ph* 45 E. 92
Andrews, W. L. *ph* Livingston
Andruss, F. L. † 4 *pa* 519 W. 121
Angel, E. *phar* 11 E. 112
Angell, J. K. † *pl* 135 E. 52
Ansorge, F. † 4 *b* 625–11, Bklyn.
Anthony, A. G. † *gr ed* 2700 Heath ave., Kingsbridge
Anthony, H. E. 4 *c* Central Pk. W.
Apisdorf, A. *gr ed* 67 Mangin
Appelbaum, E. 3 *c* 1552 Hoe ave.
Appelt, R. † 3 *b* 647 Madison ave.
Applebee, E. W. 1 *c* Clinton Ave., Ossining
Appleby, E. † *nm pa* Hastings-on-Hudson
Appleby, E. T. 3 *c* 216 W. 59
Appleby, F. S. 3 *c* 216 W. 59
Appleman, E. 1 *l* Livingston
Appley, D. M. † 3 *b* 497 VanCortlandt Park ave., Yonkers
Aragiusto, P. *phar* 222 E. 29
Araki, S. *ph* 102 W. 123
Arcaute, J. A. 1 *c* 226 W. 123
Arce, J. M. 3 *s* Furnald
Archer, C. A. *p* 175 E. 74
Archer, C. S. 1 *c* 112 W. 72
Archer, D. G. 3 *c* Nyack
Archer, E. R. † 2 *b* Brooks
Arenwald, M. *gr ed* 2601 Bainbridge ave.
Argent, A. 119 W. 15
Argetsinger, L. J. 3 *ed* 3089 B'way
Argetsinger, M. M. 1 *ed* 41 Livingston ave., Yonkers
Arginteann, D. *phar* 474 E. 135
Arguello, J. E. *gr phar*
Armstrong, A. H. *ph* 1404 Pacific, Bklyn.
Armstrong, C. G. 1 *c* 545 W. 111
Armstrong, C. T. 2 *s* 347 Manhattan ave.
Armstrong, H. C. † *pl* 135 E. 52
Armstrong, J. A. B. 3 *s* 347 Manhattan ave.
Armstrong, J. B. 4 *c* Whitestone
Armstrong, J. W. 2 *s* 347 Manhattan ave.
Armstrong, R. *nm j* 414 W. 118
Arnaud, L. *a* 191 Claremont ave.
Arnold, H. A. † 4 *pa* 370 Madison, Bklyn.
Arnold, J. L. *p* 25 W. 91
Arnold, M. † *ph* 1533 St. Nicholas ave.
Arnold, W. H. 1 *l* 601 E. 19, Bklyn.
Aronescu, L. I. 3 *s* 1018 E. 163
Aronoff, J. B. 1 *c* 900 Union ave.
Aronovic, A. *phar* 555 E. 169
Aronowitch, B. *p* 100 W. 113
Aronson, M. 1 *c* 219 Moore, Bklyn.
Aronstamm, G. C. *phar* 1501 Second ave.
Arrowsmith, M. N. † *pl* 230–73, Bklyn.
Ash, M. 1 *c* 530 West End ave.
Ashbrook, K. † 4 *b* Brooks
Ashcraft, J. † 3 *pa* Whittier
Askam, L. E. † 4 *pa* Great Neck
Askenas, H. J. *phar* 2091 Prospect ave.
Aspinwall, J. F. 3 *c* 540 W. 113
Asserson, R. † 4 *b* 404 Eighth ave., Bklyn.
Astrachan, M. 2 *c* 444 South, Jamaica
Astrop, R. C. 3 *j* Furnald
Astruck, E. F. † *pl* 306 W. 100
Atherton, E. † 3 *b* Brooks
Atkinson, C. † *nm pa* 502 W. 113
Atkinson, G. 4 *s* 501 W. 120
Atkinson, L. S. † *pl* 196 Berkeley Pl., Bklyn.

Atkinson, W. E. 1 *l*
788 Riverside Dr.
Atwood, K. C., Jr. 3 *c* Furnald
Au, K. W. *p* Hartley
Auerbach, J. G. † *pl* 40 W. 77
Augur, H. † 3 *b* Brooks
Aul, H. E. 1 *c* 107 Ross, Bklyn.
Aultman, M. L. *ph* Furnald
Austrian, C. J. 1 *l*
49 St. Nicholas Ter.
Avent, J. McD. *ph*
3 Woodcrest ave., White Plains
Avstreih, W. *phar* 576 E. 143
Axelbank, P. *phar* 521 E. 149
Axelrod, H. 4 *c*
276 Riverside Dr.
Ayres, M. † *gr ed* 130 E. 22
Ayres, M. S. † *ph*
476 Clinton ave., Bklyn.
Baar, E. N. 3 *l*
552a Macon, Bklyn.
Babbott, F. L., Jr. 1 *m*
149 Lincoln Pl.
Babcock, E. B. *ph*
Babcock, E. H., Jr. 2 *c*
627 W. 115
Bach, A. *phar* 667 E. 164
Bache, H. †2 *pa* Whittier
Bacon, H. G. † 3 *pa*
162 Everett Pl., E. Rutherford
Bacon, L. W., Jr. 1 *c* Hartley
Bacon, R. M. 2 *c*
421 S. Columbus ave., Mt. Vernon
Bacon, W. O. *phar* 501 W. 121
Baddour, E. J. † *phar* 176 E. 78
Bader, M. *ph* 273 S. 2, Bklyn.
Baena, L. C. 3 *s* 600 W. 140
Baer, E. † *p* 501 W. 170
Baer, S. 4 *c* 605 W. 156
Baerward, J. † *nm pl* Hotel Plaza
Baeyertz, F. P. 2*c* 627 W. 113
Bagg, H. J. *p* 32 Park Pl., Yonkers
Bail, F. W. *a* 435 W. 119
Bailey, A. † 3 *b*
257 Prospect, Bklyn.
Bailey, C. R., 3 *l* Livingston
Bailly, E. A. † *ph* 412 Ninth ave.
Bainton, E. F. † *p* 371 W. 116
Bainton, W. L. 3 *l* 371 W. 116
Baird, N. † 1 *pa*
106 Morningside Dr.
Baker, A. E. *phar* 75 W. 68
Baker, E. W. † *gr ed* Whittier
Baker, F. L. *gr ed*
58 Douglas ave., Yonkers
Baker, F. W. 4 *c* 53 Oakwood ave., Upper Montclair
Baker, H. M. † 3 *pa* 414 W. 121
Baker, I. E. † *nm pa* Whittier
Baker, J. C. *p* 521 Manhattan ave.
Baker, J. H. 4 *j* 429 W. 117
Baker, J. P. 1 *c*
94 Livingston, Bklyn.
Baker, L. † *nm ed* 439 W. 123
Baker, M. L. † *ed* 64 Centre ave., New Rochelle
Baker, S. L. † *nm ed* 419 W. 119
Baker, W. P. 4 *m* 35 W. 64
Bakovitz, H. 4 *c* 1008 Simpson
Balch, F. E. † *gr ed* Whittier
Balcke, O. A. † 4 *pa* Whittier
Baldwin, A. C. † *ph* 417 W. 120
Baldwin, B. J. *pl* Livingston
Baldwin, J. B. *nm c* 537 W. 121
Baldwin, J. S. 3 *c*
15 Claremont ave.
Baldwin, W. C. *phar* 59 W. 65
Bales, H. O. *nm l* 520 W. 123
Ball, F. E. † *pl* Spuyten Duyvil
Ball, H. S. *phar*
Ball, M. M. † 4 *ed* 609 W. 127
Ball, M. W. † 3 *pa* Whittier
Ballentine, A. C. 2 *s*
45 Bleecker, Newark
Ballou, M. † 1 *pa* 856 W. 180
Ballou, M. B. † 4 *ed* 854 W. 180
Ballou, W. A. *gr ed*
335 Lafayette ave., Bklyn.
Balmford, J. A. 4 *s* 509 W. 146
Bamberger, F. E. † 4 *ed*
616 W. 116
Banawalkar, V. H. 1 *c* 223 W. 23
Banker, G. D. † 4 *b*
227 Van Houten ave., Passaic
Banks, R. M., 3 *s* 612 W. 116
Barabini, F. *phar* 113 E. 31
Barad, V. † 2 *pa*
357 E. Parkway, Bklyn.
Barbarito, W. N. 1 *c* Hartley
Barber, F. † 1 *b* 633 W. 152
Barber, L. A. 1 *c*
720 Driggs ave., Bklyn.
Barber, M., † 1 *b* 411 W. 114
Barber, M. J. † 4 *pa*
210 Rodney, Bklyn.
Barbour, M. B. † 4 *ed* 423 W. 120
Barbour, L. 1 *c* 620 W. 116
Bardenheuer, C. E. † 4 *ed*
628–8, College Point
Bardsley, W. W. 2 *l*
345 Park, Montclair
Barish, B. M. *phar* 456 E. 171
Barish, T. 1 *c* 1506 Ave. C, Bklyn.
Barker, F. P. 3 *l* Livingston

Barker, P. E. 3*c*
36 Fairfield Rd., Yonkers
Barker, W. J., Jr. 1 *c* Riverside
Barkhuff, L. E. † 3 *ed* 414 W. 116
Barkin, B. F. *phar* 327 Madison
Barkley, A. † 3 *pa* 546 W. 124
Barkley, E. M. † 4 *pa*
87 Hamilton Pl.
Barlett, W. W. *gr ed* 618 W. 135
Barna, B. D. 3 *c*
971 Herkimer, Bklyn.
Barnaby, C. E. † 4 *pa*
257 Hamilton ave., W. New Brighton
Barnard, E. C. † *nm pa* 417 W. 118
Barnes, G. † 3 *b* 214 Orient Way, Rutherford
Barnes, I. † *gr ed*
Barnes, O. *nm c* 813 E. 165
Barnes, P. S. *nm ed*
145 Audubon ave.
Barnes, W. J. 1 *m* 346 W. 57
Barnet, C. I. † 4 *b* 601 W. 156
Barnett, A. 4 *s* 139 S. 4, Bklyn.
Barnett, C. R. 2 *l* 1029 College ave.
Barnewall, E. A. † *gr ed*
2016 Seventh ave.
Barney, J. W. *gr ed* 523 W. 123
Barnum, P. *a* Mamaroneck
Baron, J. *ph*
774a Lafayette ave., Bklyn.
Baron, S. J. *phar*
103 Vermilyea ave.
Baron, Y. † 1 *pa* Whittier
Barone, M. A. 3 *c* 541 W. 124
Barovick, S. H. 1 *c* 60 W. 117
Barrett, A. T. *ph* 627 W. 113
Barrett, B. 2 *l* 627 W. 113
Barrett, C. R. 1 *c*
2303 Andrews ave.
Barrett, E. A. † 4 *pa*
548 Grand ave., Englewood
Barrett, F. † 1 *b* 300 W. 106
Barrett, M. † 1 *pa* 353 E. 141
Barrow, S. F. *ph* 405 W. 118
Barrows, E. M. † *ph*
Barrus, L. W. † 4 *pa* 519 W. 121
Barry, M. † 3 *pa*
144 Locust, Flushing
Barsky, E. 1 *c* 206 Hewes, Bklyn.
Barsky, G. 2 *c* 206 Hewes, Bklyn.
Barth, A. S. 2 *c* 411 W. 114
Barth, E. A. 3 *s* 411 W. 114
Barthel, E. † 3 *b* 66 E. 93
Bartholow, B. H. 4 *c*
114 So. 8, Mt. Vernon
Bartlett, J. H. 3d 4 *s*
75 Hillside ave., Orange
Bartlett, K. A. *phar*
Williamsbridge
Bartlett, L. † 1 *b*
618 Hudson, Hoboken
Bartlett, M. J. † 4 *pa*
85 St. James Pl., Bklyn.
Bartlett, N. † *ph* 401 W. 118
Bartling, L. H. † *sp b*
110 Morningside Dr.
Bartner, S. *phar* 21 E. 117
Barton, P. *ph* Madison
Barton, V. N. 3 *s* 550 W. 114
Barton, W. A., Jr. *gr ed* Furnald
Bartow, C. S., Jr. 3 *c* 627 W. 115
Barts, A. A. † 4 *pa* 520 W. 139
Barwis, B. M. † *nm ed* 843 W. State, Trenton
Basham, A. R. *ph* 600 W. 122
Bass, B. † *nm ed* 501 W. 120
Batchelor, N. † 4 *pa* Whittier
Bate, G. C. *gr ed*
161 Woodworth ave., Yonkers
Bateman, G. F. *nm s*
Cooper Union
Bates, A. M. † 1 *b* 96 Hayes ave., Corona
Bates, E. L. † 3 *pa* Whittier
Bates, S. L. † 3 *pa* Whittier
Batta, M † 3 *b*
150 Vermilyea ave.
Battaglia, J. *phar*
Battcock, G. J. 4 *pa*
16 Lawrence, Yonkers
Batten, C. † 3 *c* 3 Chelsea Sq.
Batten, C. A. 1 *c* 6 School, Rye
Battle, E. † *nm ed* Whittier
Bauer, D. † 1 *b* 816 Rahway ave., Elizabeth
Bauer, S. † 1 *pa* 408 W. 145
Bauhan, L. H., † 4 *b*
173 Hutton, Jersey City
Baum, J. † *phar* 12 W. 117
Baumann, E. † 1 *b* 77 E. 89
Baumann, L. E. *pl*
85 Java, Bklyn.
Baumeister, P. 4 *c*
2855 Bainbridge ave.
Bausch, H. † 2 *b* 523 W. 122
Bauser, A. E. 1 *c*
577 Driggs ave., Bklyn.
Baxter, C. W. 3 *s*
173 Columbia Heights, Bklyn.
Baxter, G. R. 2 *c*
173 Columbia Heights, Bklyn.
Baxter, J. H. *gr ed* 523 W. 122

Baxter, K. H. † 3 *pa*
106 Morningside Dr.
Baxter, M. C. † *p* 301 W. 53
Baxter, T. E. *nm c*
139 Woodland ave., New Rochelle
Bayne, S. F. *gr ed* 3920 B'way
Bazzoni, E. R. † 4 *ed* 72 W. 124
Beach, J. A. † *gr ed* 503 W. 121
Beach, J. H. *gr ed* Leonia
Beach, L. D. 1 *l* Livingston
Beale, H. M. † 4 *ed* 537 W. 121
Beals, J. D., Jr. 2 *c* 531 W. 113
Bear, L. K. † *gr ed* 519 W. 121
Beasley, C. B. † 3 *pa*
964 Anderson ave.
Beatty, L. R. 2 *s* 558 W. 113
Beatty, R. L. 4 *s* 509 W. 173
Beaty, J. O. *ph* Furnald
Beaty, M. L. † 3 *pa* Whittier
Beck, E. F. W. 2 *s* 370 W. 120
Beck, I. † *pl* 381 Kosciusko, Bklyn.
Beck, P. A. 2 *l* 153 E. 86
Beck, R. D. 3 *c* 158 W. 131
Becker, A. K. † *p*
90 Sedgwick ave., Yonkers
Becker, C. K. *ph*
407 Westminster Rd., Bklyn.
Becker, E. † 2 *b* 255 Eighth ave.
Becker, E. G. † *gr ed* 232 W. 137
Becker, G. A. *p*
90 Sedgwick ave., Yonkers
Becker, M. *phar* 819 McLean ave., Yonkers
Becker, M. C. † 3 *pa*
329 Park ave., Leonia
Beckers, C. A. † *nm pa*
618 Hudson, Hoboken
Beckett, G. † 3 *pa* 616 W. 116
Beckett, H. C. *nm a* Furnald
Beckwith, A. J. 2 *s*
91 Weirfield, Bklyn.
Beckwith, M. W. † *pl*
207 Fenimore, Bklyn.
Bedell, A. † *nm b*
997 Greene ave., Bklyn.
Bedell, G. D. † *nm ed* Whittier
Bedenkapp, G. R. *pl* Livingston
Bedrick, M. *phar* 466 Lenox ave.
Beeckman, F. L. † *pl* 141 W. 104
Beer, M. A. *ph* 945 E. 163
Begg, S. *phar* Tuckahoe
Behm, M. L. † 3 *pa* Whittier
Behnken, E. L. † 4 *ed*
466–5, Bklyn.
Behr, E. † *gr ed*
37 King, Englewood
Behrens, E. E. † 4 *pa* Whittier
Beir, I. S. † *p* Brooks
Belcher, D. R. *p* Furnald
Belcher-Hardy, S. D. † *pl*
419 W. 118
Belknap, B. H. 4 *s* 122 Park ave., Leonia
Belknap, F. † 4 *b* 618 W. 114
Belknap, M. *a* 3 W. 8
Bell, A. L. L. 3 *m* Palisade ave., Englewood
Bell, D. † 4 *pa* 94 Lawrence
Bell, G. M. † 1 *b* 232 W. 126
Bell, G. R. 1 *m* Furnald
Bell, M. T. † 3 *pa* 204 W. 85
Bell, S. D. 2 *m* 30 W. 37
Bellamy, E. H. 2 *l* Furnald
Bellinger, F. C. 2 *c* 616 W. 113
Bellinger, W. H. 4 *c* 115 W. 91
Bellinson, S. I., *phar* 358 E. 8
Bemis, D. † 3 *pa* 624a–3, Bklyn.
Bendam, E. † *pl*
106 Morningside Drive
Bender, F. G. *phar*
643 Flatbush ave., Bklyn.
Bender, R. C. *pl* 342 W. Jersey Elizabeth
Benham, B. W. † 1 *b*
Cedarhurst
Benikoff, A. 4 *c* 350 E. 15
Benjamin, R. † 2 *b* 2030 B'way
Benjamin, S. *phar* 1741 Carter ave.
Benner, K. N. 1 *pl* 85 Java, Bklyn.
Bennett, A. C. 1 *l* 602 W. 137
Bennett, C. W., Jr. 3 *c* 616 W. 179
Bennett, G. S. *ph*
2323 Putnam ave., Bklyn.
Bennett, I. M. † 4 *ed* Whittier
Bennett, J. W. 1 *m* 332 W. 55
Bennett, M. E. † 3 *pa* Whittier
Bennett, M. V. † 4 *ed* 511 W. 130
Bennett, S. E. † 1 *b* 3800 B'way
Bennett, S. I. † 2 *b* Brooks
Bennett, V. L. *pl* 600 W. 122
Benowitz, H. 2 *s* 753 Seventh ave.
Benrosch, A. *nm c* 560 W. 149
Bensch, G. *nm c*
741 Springfield ave., Irvington
Bensel, M. C. † 1 *b*
125 Riverside Drive
Benson, R. 3 *s* 255 W. 101
Bentkowski, H. C. *p*
66 No. 7, Bklyn.
Bentley, A. C. *pl* 175 Ninth Ave.
Bentley, B. W. *ph*
772 St. Nicholas ave.
Benton, M. † 1 *b* Brooks
Benton, N. W. 2 *c* 434 W. 120

Berenberg, D. P. *ph*
7809 Fourteenth ave., Bklyn.
Berg, J. 1 *c* 1600 Madison Ave.
Berg, M. 1 *c*
Berg, P. 2 *s*
377 Bedford ave., Bklyn.
Bergamini, H. M. 2 *m*
252–67, Bklyn.
Bergen, M. T. † 2 *pa* Whittier
Berger, E. † 4 *b* 90 E. 21, Bayonne
Berger, K. *phar*
2004 Douglass, Bklyn.
Berger, M. *phar* 114 No. Main, Portchester
Berghaus, E. † 3 *b*
318 Linden ave., Bklyn.
Bergman, M. L. *p* 183–2
Bergmann, C. A. O., Jr. 1 *c*
Hartley
Bergstrom, G. † 1 *b* 46 Park ave., Passaic
Berick, M. 3 *c* 82 Monroe
Berinstein, W. 2 *c* 567 W. 113
Berk, W. L. 3 *l* 425–4, Bklyn.
Berkey, P. A. 1 *c* Palisade
Berkman, J. C. *p* 606 E. 9
Berkowitch, L. B. *ph* 52 W. 111
Berkowitz, B. H. *phar* 415 W. 40
Berkowitz, B. S. *phar* 153 Forsyth
Berkowitz, E. L. 1 *c* 3647 B'way
Berkowitz, S. *phar* 213 E. 4
Berkson, I. B. *gr ed* 46 Greenwich
Berle, B. † *nm ed* 786 Ridge, Newark
Berliner, I. M. 2 *l*
325 Central Park W.
Berman, F. *phar* 529 Brook ave.
Berman, L. 4 *m* 24 E. 99
Bernard, A. 1 *c* 1200 Madison ave.
Bernd, A. B. 3 *j* Livingston
Berner, F. 1 *m* 92 Second ave.
Berney, A. A. *pl*
47 Miller ave., Bklyn.
Bernheim, A. L. 4 *j* 74 E. 79
Bernheim, A. R. † *sp b* 148 W. 86
Bernheim, G. B. *pl* 148 W. 86
Bernheim, L. *gr ed*
1015 Longwood ave.
Bernheim, S. A. † 3 *b* 129 W. 79
Bernholz, M. T. M. † 1 *b*
170 W. 81
Bernholz, P. † 1 *b* 540 W. 150
Bernkopf, C. S. † *ph* 503 W. 121
Bernstein, D. M. 3 *s*
8655–21 ave., Bklyn.
Bernstein, E. J. † 1 *pa*
Pleasantville
Bernstein, H. H. 1 *c* Glen Cove
Bernstein, L. *pl*
755 Gates ave., Bklyn.
Bernstein, M 2 *c*
755 Gates ave., Bklyn.
Bernstein, N. J. *phar* 628 E. 6
Beroy, O. † 3 *b* 61 E. 117
Berry, A. B. † *nm pa*
4 Neptune ave., New Rochelle
Berry, C. N. 3 *m* 129 W. 64
Berry, S. G. 3 *s*
52 Walnut, Montclair
Bersohn, R. *p* 60 E. 113
Berson, J. 2 *s* 8 E. 107
Bertram, H. 4 *c* 601 W. 162
Berzon, H. 2 *c* 132 Union ave., New Rochelle
Besancon, B. E. † 4 *ed*
West Hoboken
Besser, A. W. *phar* 1769 Third ave.
Bessey, A. A. *pl* 175 Ninth ave.
Bessey, M. A. † *ph*
64 Monroe, Bklyn.
Best, I. † 4 *ed* Whittier
Betts, A. F. † 4 *pa* Highland
Betts, H. † 2 *pa* Highwood
Betts, M. † 4 *pa* Highwood
Beuerman, R. J. 1 *c*
1891 Lexington ave.
Beveridge, A. † 4 *pa*
15 Andrew ave., Mt. Vernon
Beyer, H. W. 2 *s*
886 Union, Bklyn.
Beyer, I. L. † *nm ed* 94 Lawrence
Bhadkamkar, P. 4 *c* 554 W. 114
Bianchi, I. † 3 *b* 254 Park ave., Orange
Bickley, E. B. 2 *m* Furnald
Bicknell, A. † 4 *pa* Whittier
Biddle, B. S. *ph*
324 Montgomery, Jersey City
Bidwell, A. M. 4 *m*
1 Madison ave., Jersey City
Bidwell, A. T. *sp s* 601 W. 162
Bieber, I. *ph* 820 E. 14, Bklyn.
Bierhoff, A. F. 3 *c* 301 W. 109
Bierman, F. † 1 *b* 314 E. 5
Bierman, W. 4 *c* 157 Keap, Bklyn.
Bierschenk, W. 2 *c*
668 Eastern Parkway, Bklyn.
Bietsch, E. F. † 4 *pa* 419 W. 121
Bigelow, L. E. † *gr ed* Freeport
Biggart, H. † 2 *pa*
50 W. Fordham Rd.
Bijur, J. M. 1 *c* Hotel Ansonia

Bijur, S. M. 4 *c* Hotel Ansonia
Bill, P. † 3 *pa* Whittier
Billing, A. W. *gr ed*
296 Broad ave., Leonia
Billings, G. M. 1 *l*
27 So. Portland ave., Bklyn.
Billsborrow, R. E. 2 *s*
91 Hamilton ave., Paterson
Binder, A. A. 3 *s*
112 Glenwood ave., Leonia
Binder, A. W. *mus* 149 Stanton
Binder, P. B. *phar* 134 W. 13
Bindermann, S. A. 3 *m*
47 St. Marks Place
Binkley, M. E. † *gr ed* 503 W. 121
Bird, J. M. *p* 29 Convent ave.
Birdsey, B. T. † 2 *pa*
122 Pierrepont, Bklyn.
Birkett, H. 3 *s* 540 W. 122
Birnbaum, A. M. 3 *l*
998 Bushwick ave., Bklyn.
Birnie, M. † 3 *pa* 210 N. Jersey, Elizabeth
Bisby, G. R. *p*
Botanic Garden, Bklyn.
Bischoff, H. W. 3 *s*
63 Newtown Rd., Astoria
Bishoff, K. L. † 3 *pa* Whittier
Bishop, H. C. † 4 *pa* Whittier
Bissell, R. W. 4 *s* 435 W. 119
Bitterman, A. C. *gr ed*
104 McLean ave., Yonkers
Black, D. M. 3 *c* Hartley
Black, M. E. † *ph* 515 W. 122
Black, T. E. 2 *j* 259 W. 109
Blackington, H. † *pl* 435 W. 119
Blackly, F. F. *pl* Livingston
Blackman, A. E., Jr. 2 *l*
865 Park Pl., Bklyn.
Blackmore, B. † 4 *pa* Whittier
Blackwell, J. M. 2 *l* 42 E. 81
Blair, A. E. † 4 *pa* Whittier
Blake, A. S. † 4 *ed*
80 St. James Pl., Bklyn.
Blake, I. M. † *gr ed* 600 W. 114
Blake, L. *phar* 139 E. 16
Blake, D. † 1 *b* 430 W. 119
Blanchard, D. D. 4 *s* 540 W. 113
Blanchard, M. T. † *ph*
190 Riverside Dr.
Bland, R. † *gr ed* 501 W. 123
Blankenstein, M. M. † *ph*
420 W. 121
Blanton, H. W. 2 *m* Furnald
Blanton, W. B. 3 *m* Furnald
Blasenstein, J. 1 *c* 306 E. 103
Blatz, E. † 1 *pa* 28 Jacques, Elizabeth
Blau, J. *phar* 1721 Garfield, Van Nest
Blaustein, M. 2 *c*
39 St. Joseph's ave., Yonkers
Blaut, S. J. 4 *s* 148 E. 92
Blauvelt, A. L. † 4 *pa* 519 W. 121
Blauvelt, H. 2 *m* 338 W. 12
Blauvelt, W. H. 4 *ed* 458 E. 185
Bleecker, A. L. 4 *s* 6 W. 91
Bleet, H. M. † 4 *b* 561 W. 163
Bleicher, M. M. *phar* 159 E. 104
Bleil, C. J. 3 *s* 1386 Ogden ave.
Blend, A. † *gr ed* Glen Ridge
Bliem, M. L. † *pl* 135 E. 52
Blinder, W. *phar* 111 W. 115
Bliss, C. A. † *p*
Bliss, E. H. † *pl* 19 W. 9
Bliss, F. W. 3 *c* Church Lane, Scarsdale
Bliss, W. P. 3 *m* 348 W. 57
Blitz, A. D. † *pl* 414 W. 121
Bliven, E. A. † *ph* 4 Beech Ter., Yonkers
Bliven, H. C. † 1 *pa*
464 Riverside Dr.
Bloch, S. † 2 *b* 501 W. 121
Block, M. 3 *s* 1161 E. 21, Bklyn.
Blodgett, E. † *gr ed*
1046 Amsterdam ave.
Blomeier, W. H. *phar*
439 Ninth ave.
Blood, W. H. 2 *m* 1939 Daly ave.
Bloom, G. *ph* 981 Whitlock ave.
Bloom, I. M. *ph* 18 W. 107
Blossom, J. E. *ph* 519 W. 121
Bloudel, D. M. † 3 *b*
1 Manhattan ave.
Blount, W. O. *ph* Hartley
Blout, M. † 1 *b*
39 Claremont ave.
Blue, G. E. 3 *m*
Bluestone, E. M. 3 *m*
215 E. B'way
Bluhm, S. *gr ed* 339 W. 47
Blum, V. H. † *ph* 254 W. 98
Blume, J. *ph* 616 W. 137
Blumenthal, F. † 4 *ed* 127 W. 112
Blumenthal, H. B. † 4 *b*
333 Central Pk. W.
Blumgarten, C. † 1 *pa*
1114 Madison Ave.
Blythe, F. R. 3 *l* Livingston
Blythe, W. H. 3 *l*
1161 Amsterdam ave.
Boak, J., Jr. *pl* 175 Ninth ave.

Boalt, M. G. † *nm pa* Whittier
Boardman, M. A. † 4 *ed* 106 Morningside Dr.
Boas, B. † 4 *pa* 140 Claremont ave.
Boas, E. † 1 *b* 10 W. 88
Boas, G. *ph* 634 W. 135
Bobbe, S. S. 3 *l* 1919 Seventh ave.
Bock, O. F. 2 *j* 425 Convent ave.
Bockhorst, C. M. † 2 *b* 1220 Ocean ave., Bklyn.
Bodenhom, O. H. *gr ed* 522 W. 123
Bodler, J. W. *nm ed* 520 W. 134
Bodler, S. S. † *ph* Whittier
Bodziner, J. 4 *s* 625 E. 5
Boehlert, C. *phar* 115 W. 64
Boehme, C. *phar* 536 W. 187
Boehmke, M. J. W. *gr ed* Livingston
Bogarte, M. B. *gr ed* 505 W. 124
Bogert, F. † *nm ed* Cranford
Boggess, J. P. 2 *m*
Boggs, N. T. *ph* Chatham
Boghorrian, B. H. *gr ed* 505 W. 124
Bogle, R. F. 2 *l* Livingston
Bohlin, H. G. 4 *s* 98 Paulison ave., Ridgefield Park
Bohm, E. M. 4 *c* 1199 Boston Rd.
Bohm, F. † *nm ed* 617 W. 113
Boland, J. R. 1 *c* 468 W. 142
Boles, C. E. 3 *l* 131 Riverside Dr.
Boley, E. W. *nm s* Furnald
Bolger, J. † 4 *b* 1891 Madison ave.
Boll, A. J. *ph* 315 Fenimore, Bklyn.
Boman, J. S. *p* 1113 Lexington ave.
Bomer, J. O., Jr. 1 *l* Livingston
Bonanno, L. *phar* Asbury Park
Bonart, C. I. *nm c* 616 W. 114
Bonbright, J. C. *pl* 606 W. 122
Bond, M. A. † 1 *pa* Whittier
Bond, R. T. *ph* 244 Elm, Richmond Hill
Bonfoey, E. C. † *ph* 1238 Pacific, Bklyn.
Bongiorno, P. 1 *l* 319 E. 48
Bonime, R. G. 1 *c* 783 Beck
Bonnell, G. † 1 *b* 545 Morris ave., Elizabeth
Bonney, C. H. *ph* Livingston
Bonsib, R. S. 4 *s* 616 W. 113
Bonvicino, L. A. 3 *m* 7309 Third ave., Bklyn.
Bonworth, K. † *nm ed* 315 E. 55
Booge, J. E. *p* 518 W. 135
Boon, H. O. *ph* Chelsea Square
Booth, A. D. † 3 *pa* 122 W. 71
Booth, F. 2 *l* 313 W. 112
Booth, F. D. † 4 *pa* Whittier
Booth, J. E. † 4 *ed* 523 W. 112
Booth, R. G. *ph* Livingston
Boothby, A. Z. *nm ed* 383 St. John's Pl., Bklyn.
Borden, M. A. † 3 *b* Grantwood
Borden, P. H. † *nm pa* 35 E. 62
Borders, J. A. *nm l* 2256 Andrews ave.
Bosniak, J. *ph* 132 E. 112
Bostanian, K. N. 3 *m* 823 Lexington ave.
Bosworth, M. B. † 4 *ed* 420 W. 119
Botsford, J. B. 4 *c* 550 W. 114
Boughton, A. C. † *gr ed* 511 W. 130
Bourne, M. L. † 3 *pa* Whittier
Bouton, D. G. 1 *c* 538 W. 114
Bowen, A. O., Jr. *ph* 27 W. 44
Bowen, C. W. 1 *l* 522 W. 123
Bowen, R. H. 1 *m* 330 Summit ave., Mt. Vernon
Bower, C. W. *phar* 578 Newark ave., Jersey City
Bowers, F. C. 1 *c* 63 E. 128
Bowes, A. N. 2 *s* 551 W. 174
Bowes, O. C. *p* Livingston
Bowes, R. E. *nm a* 538 W. 114
Bowles, J. P. 1 *c* 29 Clinton ave., Port Richmond
Bowman, C. A. 3 *pa* Hartley
Bowman, D. W. 4 *j* Furnald
Bowman, G. C. *gr ed* Westport
Bowman, J. P. *nm p* 600 W. 122
Bowman, N. C. † *ph* 527 W. 121
Boyce, C. 1 *c* 314 Barclay, Flushing
Boyce, P. L. 2 *l* 519 W. 122
Boyd, I. G. 1 *c* 314½ Pavonia ave., Jersey City
Boyd, J. S. † 4 *pa* 423 W. 120
Boyd, P. B. † 3 *pa* 229 Nelson ave., Peekskill
Boyer, N. *gr ed* 550 W. 114
Boykin, E. † *sp b* 503 W. 121
Boyle, C. A. 4 *s* 534 Trinity ave.
Boyle, M. K. † 3 *pa* Whittier
Boyson, B. D. † *pl* 430 W. 118
Brace, E. F. 1 *c* 55-26, Elmhurst
Brace, E. F. † *nm ed* 22 Beach, Nutley

Bradbeer, E. B. † *ph*
153 Prospect ave., Mt. Vernon
Bradley, H. † *pl*
Governor's Island
Bradner, P. 1 *l* 360 W. 21
Bradshaw, M. J. *ph* 606 W. 135
Bradwin, E. W. *pl* 503 W. 111
Brady, C. H. *gr ed* 520 W. 124
Brady, F. L. 3 *c*
160 Claremont ave.
Brady, L. 3 *m*
94 Seventh ave., Bklyn.
Brady, L. A † 3 *pa* 417 W. 144
Bragg, E. H. 2 *s* 627 W. 113
Brainard, A. H. *gr ed* Arlington
Brainerd, H. R. 3 *c* 135 E. 30
Braislin, W. D. 4 c
556 Washington ave., Bklyn.
Braislin, W. H. 2 *m*
556 Washington ave., Bklyn.
Braithwaite, K. E. † 3 *pa*
Emerson
Bramau, W. J. 4 *ed* 501 W. 121
Bramwell, W. M. *a* 57 E. 91
Brandenberg, H. 4 *s*
1951 So. Boulevard
Branham, V. † *p* 42 W. 106
Branion, R. C. 4 *c* Furnald
Brant, L. † *p* 430 W. 118
Bratton, W. N. 3 *s* 536 W. 114
Braus, A. L. 3 *l* 468 Riverside Dr.
Braus, R. N. 4 *pa* 468 Riverside Dr.
Braverman, B. *gr ed*
747 Blake ave., Bklyn.
Bravin, H. J. *phar* 345 E. 120
Brayton, L. † *ph* 414 W. 118
Breakstone, R. 2 *c* 9 Suffolk
Brecci, N. 3 *c* 125½ Tuers ave., Jersey City
Brecher, M. W. † *ph*
724 Hamilton ave., Richmond Hill
Brecht, G. E. † 4 *ed* 420 W. 121
Brecker, H. C. 3 *c*
100 Ellery, Bklyn.
Breed, E. B. † *ph*
469 Washington ave., Bklyn.
Breiling, R. † 1 *pa*
1081 Madison, Bklyn.
Breiting, R. L. † *ph* 136 W. 91
Bremer, P. E. † 2 *b*
38 Ridgewood Rd., Maplewood
Brennan, B. D. *phar* E. Main, Mohawk
Brennan, L. † *nm ed*
206 Bloomfield ave., Passaic
Brennan, R. † 3 *pa*
59 Landscape ave., Yonkers
Brennecke, E. 2 *c* 168 W. 100
Brennecke, H. C. † *ph* 168 W. 100
Brenton, A. † 3 *pa*
99 Claremont ave.
Bressler, H. B. † *ph*
158 Second ave., L. I. City
Bretschneider, M. † *nm ed*
519 E. 87
Brett, A. † *nm ed* 169 Barclay, Flushing
Brett, A. † 4 *b* 611 W. 127
Brett, E. M. † 4 *ed* 169 Barclay, Flushing
Brett, G. M. *p* 404 W. 116
Breuer, W. H. *gr ed*
169 Hewes, Bklyn.
Brewer, R. E. † 4 *b* 151 W. 142
Brewton, H. G. 3 *c* 565 W. 113
Brickner, B. *gr ed*
1334 Intervale ave.
Brickner, R. M. 1 *c* Furnald
Bridgeman, C. T. *ph* 515 W. 124
Bridges, C. B. *p* 528 W. 123
Bridges, M. A. 4 *c* 431 W. 117
Brieant, C. L. 3 *c* 633 W. 115
Briggs, A. B. † 3 *ed* 16 Prospect, E. Orange
Brill, L. † *phar* 320 E. 1
Brimhall, D. R. *ph* 503 W. 122
Brinkerhoff, H. T. *a*
110 Monroe, Bklyn.
Brintin, B. H. *nm l* Livingston
Brissenden, P. F. *pl* Furnald
Bristol, E. M. † 3 *pa* 537 W. 121
Brittain, A. M. † *ph*
221 Sherman ave.
Brizzolara, R. 3 *s* 148 E. 86
Broadbent, W. *nm ed*
575 Market, Paterson
Brocheo, L. *p* 400 Manhattan ave.
Brock, A. J. R. 3 *l* Lawrence
Brod, E. † *nm ed* 168 W. 77
Broderick, E. V. 3 *l* 216 Park ave., Yonkers
Broderick, K. M. † 2 *pa*
355 Pacific ave., Jersey City
Brodix, J. W. *nm c* 82 E. 56
Brodsky, F. *a* 533 First ave., Astoria
Brodsky, L. † 2 *b* 207 E. 10
Brodsky, N. H. 1 *l*
9 Monmouth, Newark
Broe, E. P. 2 *s* 214 E. 61
Brokaw, R. V. 4 *m* 318 W. 57
Bromley, A. O. † *gr ed* Whittier
Brooks, E. † *sp b* Brooks
Brooks, L. † 3 *ed* 478 W. 145

Brophy, W. E. 4 *s*
443 Hawthorne ave., Yonkers
Broshek, J. J. *sp s* 420 W. 116
Brotherton, H. T. 1 *m*
241 Union ave., Peekskill
Brous, L. 2 *c* 95 W. 119
Brown, A. *gr ed* 44 W. 65
Brown, A. E. † *gr ed* 501 W 120
Brown, A. L. † *sp b* 72 W. 124
Brown, A. M. *p*
Brown, B. H. *a* 627 W. 115
Brown, C. † *nm pa* 541 W. 123
Brown, C. † *gr ed* 616 W. 116
Brown, E., Jr. *pl* Furnald
Brown, E. G. *a* 501 W. 120
Brown, E. L. *pl* 524 W. 123
Brown, E. T. † 3 *pa* Park Hill, Yonkers
Brown, F. J. 1 *l* 200 W. 111
Brown, F. W. 1 *c* 302 Bement ave., West New Brighton
Brown, G. A. † *gr ed*
381 Central Pk. W.
Brown, G. L. † 4 *ed* 419 W. 119
Brown, H. A. *pl* East View
Brown, H. R. † 1 *b* Brooks
Brown, J. † *gr ed* Whittier
Brown, J. C. *gr ed* 533 W. 124
Brown, J. E. 4 *c* 614 W. 148
Brown, J. H. 1 *c* 224 W. 105
Brown, L. A. *phar*
50 W. Palisade ave., Englewood
Brown, L. C. † 1 *b*
1054 Bergen, Bklyn.
Brown, L. L. 1 *c* 148 W. 77
Brown, L. N. *gr phar* Sag Harbor
Brown, L. R. *phar*
Brown, M. † *gr ed* 265 Henry
Brown, M. C. † *nm ed* Arlington
Brown, M. S. † *gr ed* 606 W. 191
Brown, P. E., Jr. 1 *pa*
19 N. Maryland ave., Port Washington
Brown, R. B. *pl* 541 W. 123
Brown, S. F. *p* 352 W. 123
Brown, S. G. *phar* 346 So.3, Bklyn.
Brown, W. B. 1 *c* 67 E. 123
Browne, A. G. † *ph*
110 Morningside Dr.
Browne, S. † 3 *pa* Whittier
Brownell, A. † *nm b* Brooks
Brownell, M. 4 *c* 633 W. 115
Browning, G. E. 1 *m*
Browning, P. D. 3 *s* Furnald
Brownlee, R. B. † *sp b* 510 W. 124
Brueckmann, E. C. 2 *s*
24 White Ter., Newark
Brumell, M. † 1 *b* Bronxville
Brumswig, L. *phar*
552 Palisade ave., Jersey City
Bruner, A. B. 3 *m* 346 W. 57
Bruyn, G. † *pl* 232 E. 79
Bryan, J. A. 1 *c* 634 W. 135
Bryan, J. B. 1 *pa*
1207 Ave. V, Bklyn.
Bryan, W. C. 1 *c*
473 Franklin ave., Bklyn.
Bryant, S. † *nm pa*
41 Prospect ave., Montclair
Bryce, P. C. 1 *l* 1025 Fifth ave.
Buccanning, L. H. *phar*
Port Jervis
Buch, E. † 1 *b* 79 W. 92
Buchman, L. 2 *c*
38 Bartlett, Bklyn.
Buchsbaum, N. E. † *p* 777 E. 179
Buck, O. L. † *nm ed* 171 Union, Hackensack
Buck, R. W. *ph* Furnald
Buckbee, J. † 1 *b* 5000 B'way
Buckley, A. † 3 *pa* Whittier
Buckwald, H. M. 3 *s*
2234 Seventh ave.
Budinoff, R. E. † 1 *b*
970 DeKalb ave., Bklyn.
Buehrer, G. C. *nm c*
547 Riverside Dr.
Buelard, E. A. † 3 *pa* 501 W. 121
Buermeyer, H. A. 2 *c* 619 W. 113
Buermeyer, M. D. † 3 *ed*
193 St. John's Pl., Bklyn.
Buford, C. H. 3 *l* 425 W. 124
Buggy, J. V. † *gr ed* 154 W. 84
Bull, C. B., Jr. 1 *c* Hartley
Bull, D. C. 3 *m* 348 W. 57
Bull, D. M. *phar* 561 W. 174
Bull, J. C., Jr. *pl* 30 E. 27
Bull, P. † 4 *pa* Whittier
Bullen, B. C. 2 *m* City Hospital
Bullock, H. L. 1 *c* Chappaqua
Bullock, H. R. 2 *s* Furnald
Bullock, W. W. *gr ed*
Hastings-on-Hudson
Bullwinkel, H. G. 1 *c* 608 W. 113
Bülow, S. I. † *ph* 2444 Lorillard Pl.
Bulson, M. T. † *ph* 106 E. 52
Bunce, E. F. *nm ed*
68 Central ave., Lodi
Buncke, H. J. 4 *s* 619 W. 113
Bungard, M. C. 505 E. 135
Bunker, A. D. V. † 2 *b* 415 W. 118
Bunnekamjs, W. E. 1 *c*
104 Phelps ave., So. Englewood
Bunting, F. C. 4 *j* 370 W. 120

Bunzel, E. E. 1 *m* 302 W. 92
Bunzel, R. † 1 *b*
300 Central Pk. W.
Bunzl, G. C. † *pl* 121 E. 72
Bunzl, J. V. 2 *l* 121 E. 72
Bunzl, W. G. 3 *s* 175 W. 72
Buonocore, B. † 3 *b* Brooks
Burbank, M. † 3 *pa* 55 Caryl ave., Yonkers
Burch, C. E. *ph* 207 W. 134
Burch, D. A. † 3 *pa* 450 W. 149
Burch, H. E. † 4 *ed* Whittier
Burch, L. H. *nm pa* 520 W. 122
Burchans, L. M. † 4 *ed*
40 Purser Pl., Yonkers
Burchell, A. V. 2 *l* 563 W. 182
Burdakin, M. † 1 *b*
Hastings-on-Hudson
Burdett, M. † 3 *pa* 525 W. 120
Burdick, E. M. † *nm ed*
307 Lafayette ave., Passaic
Burdick, M. C. † 3 *ed* 35 Hoyt, Stamford
Burgdorff, F. J. *p*
Burgess, T. 2 *l* 510 W. 124
Burghard, G. E. 2 *c* 1 E. 93
Burghard, E. G. 4 *c* 1 E. 93
Burghard, F. J. 2 *c* 1 E. 93
Burgi, L. E. † 2 *b* 903 E. 139
Burian, L. *pl* 600 W. 122
Burk, E. I. † *gr ed* Whittier
Burke, A. † *gr ed* 514 W. 122
Burke, E. J. † *nm pa* 500 W. 121
Burke, H. J. *a* 370 W. 120
Burke, S. P. 1 *c* 2221 Adams Pl.
Burks, C. E. M. † 4 *ed*
415 W. 120
Burleigh, J. P. 1 *l* Livingston
Burnett, A. C. *phar* 115 W. 68
Burnham, L. † 4 *pa* 430 W. 119
Burnholz, H. S. 2 *s*
455 E. Houston
Burns, A. P. † 2 *b* Brooks
Burns, C. † 1 *b* 238 W. 106
Burns, H. M. *phar* 358 W. 20
Burns, J. H. 3 *pa* Hartley
Burns, M. E. † 1 *b* 1 W. 106
Burns, P. E. *gr ed* Furnald
Burns, R. L. 3 *pa* Cliffside
Burns, S. M. 3 *pa* Elizabeth
Burr, E. T. † *ph*
25 Claremont ave.
Burr, F. F. *p* 149 Walker ave., White Plains
Burr, H. C. *pl* 600 W. 122
Burr, M. S. † 1 *pa* 219 W. 81
Burrill, E. W. *ph* 419 W. 119
Burroughs, W. C. *nm pa* Mt. Hope
Burrows, B. † 2 *b* 110 Penn ave., Crestwood
Burrows, D. † 1 *b* 82 W. 105
Burrut, R. M. † 3 *pa*
Burstein, A. *ph* 247 W. 130
Burt, P. *pl* Madison
Burtenshaw, A. † 2 *b*
107 B'way, Tarrytown
Burwell, L P. † 3 *pa* Whittier
Busch, E. A. † *gr ed*
1819 Beverly Rd., Bklyn.
Busch, I. 2 *c* 158 Ross, Bklyn.
Busch, L. C. V. 1 *c* 501 W. 123
Buschmann, A. D. † 4 *pa* Whittier
Busick, M. † 4 *ed*
320 St. Nicholas ave.
Busse, J. † *p* 420 W. 121
Buswell, A. M. *p*
Butkus, H. A. † *nm p*
213½ Berry, Bklyn.
Butler, C. A. 2 *l* 351 W. 114
Butler, C. T. 3 *m* 30 E. 72
Butler, G. P. 4 *c* 608 W. 113
Butler, H. F. 3 *s* 531 W. 113
Butler, M. A. † 1 *pa*
15 Livingston ave., White Plains
Butler, M. E. † *ph*
1062–84, Bklyn.
Butler, S. S. † 4 *b*
60 Morningside Dr.
Butterworth, G. F., Jr. 2 *l*
627 W. 115
Butts, A. B. *pl* 322 W. 113
Butz, C. † *gr ed* 523 W. 121
Buvington, R. † 1 *b* 312 W. 75
Buzzelle, M. C. † *gr ed*
Berkeley Heights Park, Bloomfield
Byars, B. † 3 *pa* 120 Bay 28, Bensonhurst
Byrne, M. C. † *ph*
338 Decatur, Bklyn.
Byrne, S. L. † 4 *pa* 411 W. 115
Byrne, W. J. 1 *c* 244 W. 101
Byrnes, M. † 4 *pa* 50 No. 19, Flushing
Byron, O † 2 *pa* 34 Warner ave., Jersey City

Cabaniss, C. † *nm ed* 121 W. 132
Cabaniss, J. T. 4 *m* 36 W. 70
Cabell, C. 2 *pa* 515 W. 110
Cadman, F. L. 1 *l*
2 Spencer Pl., Bklyn.
Cady, V. M. *pl* 117 Sherman ave.
Caffrey, E. R. † *phar* Stapleton

Caffrey, W. S. † 4 *ed*
65 Halladay ave., Yonkers
Cahen, E. R. † 1 *b*
354 Central Pk. W.
Cahen, E. G. † 1 *b*
353 Central Pk. W.
Cahoon, J. C. † *gr ed* 117 E. 26
Cain, M. F. † 4 *ed* 510 W. 124
Cairoli, J. *phar*
412 Union, W. Hoboken
Calder, A. B. *nm j* 540 W. 160
Calder, E. 3 *c* Livingston
Calder, N. L. 4 *s* 618 W. 113
Caldwell, G. D. 2 *l* 633 W. 115
Caldwell, J. Y. 2 *l* Furnald
Caldwell, L. W. † 4 *pa* 525 W. 130
Caldwell, W. E. *pl*
34 Greene ave., Bklyn.
Callahan, W. S. 1 *c*
111 Nelson, Bklyn.
Callan, H. † 2 *b* 870 E. 175
Callery, H. J. *phar* 413 W. 48
Cameron, W. S. *p* 239 W. 136
Camp, J. L., Jr. *pl* Livingston
Camp, K. 1 *l* 30 Fulton, Newark
Campbell, A. *gr ed*
728 Ditmas ave., Bklyn.
Campbell, B. E. † *nm ed*
604 W. 125
Campbell, E. † 1 *pa* 340 W. 85
Campbell, E. E. † 4 *ed* Whittier
Campbell, H. A. 4 *s* 317 W. 80
Campbell, M. E. † 1 *pa* Whittier
Campbell, R. W. † *pl*
956 Anderson ave.
Campbell, W. E., Jr. 2 *m*
346 W. 57
Campbell, W. R. *pl* 175 Ninth ave
Candela, R. *a* 258 E. 106
Cannella, G. *phar* 415 E. 12
Cannon, C. M., Jr. *a*
323 West End ave.
Cannon, T. I. 4 *c*
323 West End ave.
Canon, H. † 4 *pa* Whittier
Cantine, H. R. *nm s* 620 W. 116
Canysbell, M. V. † 4 *pa*
414 W. 121
Capeci, E. *phar*
28 Willow, Port Chester
Caples, E. J. † *ph* 540 W. 122
Cappetta, J. 2 *c* 3632 Holland ave.
Capshaw, H. J. 2 *l* Furnald
Capshaw, C. P. 1 *l* Furnald
Carabillo, A. S. *phar* 276 Ave. A
Carey, C. L. † *nm b*
Luddington Rd., W. Orange
Carey, R. I. † 1 *pa* Plainfield
Carhart, E. H., Jr., *pl*
175 Ninth ave.
Carleton, A. F. E. † 4 *pa*
Whittier
Carling, F. E. † 4 *pa*
St. Luke's Hosp.
Carlisle, K. R. † 4 *pa* 519 W. 121
Carlson, C. † 1 *pa* 420 W. 119
Carlson, G. † 4 *pa* Whittier
Carlstrom, C. W. 2 *s* 616 W. 113
Carnall, W. T. 2 *l* 616 W. 113
Carnelli, C. M. 4 *s* 26 E. 109
Carner, S. 4 *s* 450 Grand
Carnochan, G. M., Jr., *nm s*
152 Madison ave.
Carol, W. S. † *ph* Whittier
Carothers, F. E. † 3 *b*
1154-49, Bklyn.
Carp, L. 4 *m* 83 Willett
Carpe, A. 2 *s* 321 W. 82
Carpenter, J. T. 1 *l* 417 W. 117
Carpenter, I. M. *pl* 26 Jones
Carpenter, L. E. † *nm ed*
103 Morningside ave.
Carpenter, M. S. † *sp b* 612 W. 112
Carpenter, S. E. † *nm ed*
510 W. 124
Carr, C. F. *gr ed* Livingston
Carr, E. L. *nm c* 68 W. 51
Carr, J. T. *gr ed*
2088 Anthony ave.
Carr, K. L. † 3 *pa* Whittier
Carr, M. † 4 *b*
831 Carroll, Bklyn.
Carret, M. † *ph* 411 W. 117
Carrigan, R. A. † *nm ed* 419 W. 119
Carroll, D. D. *pl* Hartley
Carroll, J. D. 3 *s*
160 Claremont ave.
Carroll, J. E. † *gr ed*
450 Clinton ave.
Carroll, J. W. 3 *l* 423 W. 120
Carrothers, G. E. *gr ed* 515 W. 122
Carse, E. † *ph* 205 W. 57
Carsley, F. B. † *gr ed*
Carson, A. S. † *ph* 251 W. 87
Carter, H. † 2 *pa* Leonia
Carter, L. E. *pl* Livingston
Carter, W. R. *sp s*
310 Convent ave.
Cary, L. P. *pl* 600 W. 122
Cary, M. T. † *pl* Whittier
Casamajor, M. † *pl*
372 Greene ave., Bklyn.
Case, F. L. † *ph*
382 Jefferson ave., Bklyn.

Case, J. P. † 3 *pa* 419 W. 119
Cash, C. G. 1 *c* Rye
Cashen, A. D. † *ph*
101 Elm, New Rochelle
Cashen, E. R. † *nm ed*
101 Elm, New Rochelle
Cassasa, A. B. 1 *c* 419 W. 147
Casselman, F. R. † *gr ed*
600 W. 122
Cassidy, H. H. 1 *l* Livingston
Cassidy, R. A. *pl* 620 W. 122
Castello, F. W. † 2 *pa*
125 Clifton Pl., Bklyn.
Castruccio, C. 3 *l* Furnald
Cathie, L. E. † *pl*
285 Henry, Bklyn.
Catzen, B. H. 2 *l* Hartley
Caulfield, G. R. † 4 *pa* 434 E. 57
Caulkins, E. D. *pl* Livingston
Cave, M. U. † *ph* Whittier
Caverly, C. E., Jr. 2 *m*
Livingston
Cavert, W. D. *ph* 600 W. 122
Caygill, H. W. 1 *c*
17 So. 14th ave., Mt. Vernon
Cecere, T. J. *phar.*
175 Bridge, Bklyn.
Center, S. S. † *ph* 501 W. 120
Chabaud, M. † 2 *b*
183 Young, L. I. City
Chace, E. P. † 4 *pa* Whittier
Chadwick, H. K. 3 *c*
40 Greenwood ave., Madison
Chalian, V. F. *phar*
Chamberlain, N. L. † 4 *pa*
New Brighton
Chamberlain, K. F. 1 *c* 417 W. 118
Chamberlayne, B. G. † 3 *pa*
Whittier
Chamberlin, C. J. *ph* 600 W. 122
Chambers, I. S. *phar* 316 E. 118
Chambers, K. E. † *ph* 423 W. 117
Champlin, M. R. † 2 *pa*
Whittier
Chan, Y. Y. *pl* Furnald
Chancellor, M. L. † 3 *b* Brooks
Chandler, A. B. † *gr ed* 165 W. 58
Chandler, A. E. *pl*
Chang, C. C. 1 *l* Hartley
Chang, P. C. *gr ed* Livingston
Chang, Y. *nm c* Livingston
Chankin, V. *ph* 1050 Hoe ave.
Chapman, J. † *nm pa* 541 W. 124
Chapman, N. *phar* 2421 B'way
Chapman, P. † 2 *pa* 414 W. 120
Chapman, W. H. 2 *m* 346 W. 57
Charlton, A. M. *sp s*
39 Claremont ave.
Chasan, I. 1 *c*
54 Maspeth ave., Maspeth
Chase, A. B. † *gr ed* 423 W. 120
Chase, A. W. *nm s*
440 Riverside Dr.
Chase, C. H. *pl*
37 Brunswick, Newark
Chase, E. † 1 *pa* Whittier
Chase, L. S. *gr ed*
25 Myrtle ave., Montclair
Chassy, L. *nm c* 1535 Hoe ave.
Chastagner, P. J. P. 2 *s*
387 Palmer ave., Yonkers
Chatfield, H. † *nm ed*
240 Audubon ave.
Chaves, M. *pl* 60 Seventh ave.
Checchia, T. † *phar*
651 Washington
Cheifetz, S. † 3 *pa* 826 Kelly
Chen, C. H. 2 *c* Furnald
Chen, K. Y. *p* 403 W. 115
Chen, M. † 3 *ed*
Cheney, G. W. 4 *ed*
58 Arthur, Yonkers
Cheney, L. J. † 4 *pa* Whittier
Chesley, C. V. *ph* Livingston
Chesley, E. † 4 *b* 1346 Teller ave.
Chester, W. M. 2 *l*
270 Riverside Dr.
Chew, W. N. 1 *c* Babylon
Chiang, M. *gr ed* Hartley
Chien, C. H. *nm p* Furnald
Child, E. † *pl* 1043 E. 165
Child, F. † 2 *b* 122 E. 34
Child, M. B. † 4 *ed* 423 W. 118
Chinn, C. R. 4 *ed* 5 W. 125
Chinnappe, S. P. *gr ed* 554 W. 114
Chipkin, I. S. *gr ed* 126 W. 115
Chiu, Y. T. *p* 225 E. 31
Chow, T. K. *pl* Livingston
Choy, J. K. 3 *c* Livingston
Chrisman, F. L. *nm pl* 420 W. 116
Christianson, A. O. † *gr ed*
511 W. 113
Christie, L. J. † 2 *pa*
114 Beacon ave., Jersey City
Christmann, L. J. 2 *c*
2120 La Fontaine ave.
Christoffers, C. 1 *c* 299 E. 4, Bklyn.
Chu, C. *pl* Hartley
Chu, L. *p* Hartley
Chu, V. G. *p* 422 W. 115
Chun, T. C. *pl* 500 W. 114
Chun, Y. S. *pl* Furnald
Chung, W. K. *gr ed* 156 Fifth ave.

Church, N. J. † *nm pa* Whittier
Cirillo, M. L. *phar* 263 Lafayette
Claflin, A. † *nm b*
15 Washington Sq. No.
Clancey, H. S. † *ph*
335 E. 19, Bklyn.
Clarihew, M. † 3 *b*
128–28, Woodcliffe-on-Hudson
Clark, A. E. † *gr ed* Whittier
Clark, A. W. † 4 *ed* 503 W. 121
Clark, B., Jr. 3 *l* 60 First Pl., Bklyn.
Clark, B. M. *a* 417 W. 118
Clark, B. W. † *gr ed* 459 W. 123
Clark, C. E. 1 *m* 125 W. 63
Clark, C. R. *sp s* 501 W. 111
Clark, D. L. *ph* 431 W. 121
Clark, D. W. *pl* 600 W. 122
Clark, E. B. 4 *c* 187 Keap, Bklyn.
Clark, E. H. † *p* 527 Riverside Dr.
Clark, E. W. † *nm pl* 135 E. 52
Clark, F. † 3 *ed* 415 W. 120
Clark, F. † 1 *b* 419 W. 119
Clark, F. † 3 *pa*
Clark, F. J. 3 *l* 445–14, Bklyn.
Clark, J. A. † 3 *pa* Whittier
Clark, J. H., Jr. 2 *s* 301 W. 109
Clark, M. A. † *gr ed* Bedford
Clark, M. G. † *nm ed*
668 Mt. Prospect ave., Newark
Clark, M. M. † *gr ed*
Wadleigh High School
Clark, O. D. *ph* 189 Claremont ave.
Clark, R. A. 3 *l* 610 W. 116
Clark, W. D. 4 *c* 633 W. 115
Clark, W. R. 3 *c* 627 W. 115
Clarke, B. † *nm ed*
15 Elm Pl., Hastings-on-Hudson
Clarke, E. P. † 3 *pa* 500 W. 122
Clarke, F. † 2 *pa*
205 Wilkinson ave., Jersey City
Clarke, H. E. *gr ed* Bernardsville
Clarke, P. H. 4 *m* 134 E. 57
Clarke, R. M. † 3 *pa*
90 Morningside Dr.
Class, T. S. 2 *l*
210 Ross Pl., Westfield
Clauss, M. † *ph*
1936 Benedict ave.
Claxton, E. † 4 *pa* 419 W. 121
Clayton, M. † 3 *pa* Whittier
Clayton, P. D. 2 *c*
128 West 4th, Mt. Vernon
Cleary, C. N. 4 *s* 550 W. 114
Cleary, E. H. 1 *c* 221 W. 57
Cleaveland, W. A. † 4 *pa*
219 Inwood ave., Montclair
Clegg, I. † 3 *pa* 414 W. 118
Clemence, S. R. † *p* 430 W. 118
Clement, M. F. † *pl* 232 E. 79
Cleveland, E. J. † *ph*
22 Arden Pl., Yonkers
Cleveland, M. 4 *m* 421 W. 57
Climan, M. 4 *m sp*
535 Manhattan ave.
Clinchy, R. J. *nm c*
294 Springdale ave., E. Orange
Clinton, L. W. † 3 *pa* 525 W. 120
Clippinger, E. *gr ed* 358 W. 123
Clonting, J. † 1 *pa* Whittier
Closs, M. F. † 4 *ed*
6 Snyder, Orange
Clough, H. B. *p* 120 W. 46
Clowes, H. G. † 3 *ed*
84 Franklin, Hempstead
Coad, O. S. *ph* Livingston
Coates, M. I. † 4 *b* 228 W. 72
Coates, W. C. 1 *c* Hartley
Cobanks, A. † 1 *b*
1479–50, Bklyn.
Cobb, E. F. † 4 *pa* 540 W. 122
Cobb, L. M. † *nm ed* Whittier
Cobb, M. C. † 3 *b* Brooks
Cobden, P. E. 3 *s* 434 Riverside Dr.
Coburn, E. S. † 1 *pa* 350 W. 85
Cochran, D. A. 1 *c* Hartley
Cochran, G. G., Jr. 3 *c*
8105–22, Bklyn.
Cochran, S. *sp s*
120 & Amsterdam ave.
Cocks, E. *p* Furnald
Codling, W. B., Jr. 2 *c* Furnald
Coe, M. S. † *gr ed* 42 W. 52
Coe, R. S. 2 *l* Livingston
Coffin, I. P. † *ph*
116 Garfield Pl., Bklyn.
Coffin, M. E. † 1 *pa*
9 Badeau Pl., New Rochelle
Cogan, L. G. † 4 *b*
81 Bridge, Paterson
Cohen, A. 2 *c* 754 Ninth ave.
Cohen, A. *gr ed* 69 E. 121
Cohen, A. B. 1 *c*
50 St. Mark's Pl.
Cohen, A. J. † 2 *pa* 226 W. 136
Cohen, B. *phar* 15 E. 118
Cohen, D. M. 1 *m* 3 E. 117
Cohen, H. *ph* 96 Bay 17, Bklyn.
Cohen, H. *a*
118 Vernon ave., Bklyn.
Cohen, H. *phar.* 223 Madison
Cohen, H. A. *phar*
581 Bainbridge, Bklyn.
Cohen, H. S. *phar* 884 Jackson ave.
Cohen, I. L. *p* 1848 Anthony ave

Cohen, J. *phar*
518 Boulevard, Rockaway Beach
Cohen, J. *phar* 297 Ave. B
Cohen, M. † *gr ed*
978 Woodycrest ave.
Cohen, M. 1 *m* 68 E. 118
Cohen, M. *phar* 1498 Brook ave.
Cohen, M. R. † 2 *pa*
177 Old Bergen Rd., Jersey City
Cohen, R. † 3 *b* 1516 Charlotte
Cohen, S. *ph* 318a Hart, Bklyn.
Cohen, S. C. 1 *l* 50 St. Marks Pl.
Cohen, S. L. 3 *c* 159 W. 80
Cohen, S. M. † 2 *b*
175 Saratoga ave., Yonkers
Cohn, C. † *ph* 296 Main, Orange
Cohn, C. E. 3 *c*
80 Throop ave., Bklyn.
Cohn, M. 4 *j* 14 E. 120
Cohn, M. † 2 *pa* 1312 Franklin ave.
Cohn, N. *phar* 166 Suffolk
Coit, G. † *pl* 95 Rivington
Coit, R. T. *a* 612 W. 116
Cokefair, A. J. 1 *c*
24 W. Radford, Yonkers
Colby, E. *ph* 633 W. 115
Cole, A. C. *gr ed* 424 W. 119
Cole, H. † 4 *pa* Whittier
Cole, H. D. *ph* 140 W. 96
Cole, R. † 4 *pa* 423 W. 120
Coleman, A. A. † *gr ed*
Pelham Manor
Coleman, C. L. † 4 *ed*
118 Archer ave., Mt. Vernon
Coleman, C. L. † 3 *pa* 547 W. 123
Coleman, E. N. † *nm ed* 503 W. 121
Coleman, H. E. *gr ed* 600 W. 120
Coleman, M. S. † *gr ed* 418 W. 118
Coleman, W. A. *pl*
54 Lincoln ave., Rutherford
Colfee, J. E. *ph* 419 W. 121
Colletti, J. 4 *c* 222 Bowery
Collier, E. B. † *ph*
282 De Kalb ave., Bklyn.
Collier, K. B. † *pl*
282 De Kalb ave., Bklyn.
Collins, C. R. 1 *pa*
134 S. Elliott Pl., Bklyn.
Collins, H. † 2 *b* Brooks
Collins, I. † 3 *pa* 420 W. 121
Collins, M. *sp s* 610 W. 116
Collins, M. M. † 4 *pa*
Collins, M. R. † 3 *pa* 63 W. 87
Collins, W. F. 3 *pa* 616 W. 113
Colp, R. 4 *m* 5 Charlton
Colson, R. B. *nm ph* 600 W. 122
Colson, W. N. *pl* 15 W. 132
Colsten, R. 2 *s* 119 & B'way
Colville, E. H. † *gr ed*
166 Westervelt ave., New Brighton
Colvin, W. P. 4 *m* 975 Summit ave.
Colwell, I. M. † 1 *pa*
1129 Fulton ave.
Combes, A. L. *nm pa* 616 W. 135
Comer, J. P. *pl* Livingston
Comin, R. *gr ed*
1024 Church, Richmond Hill
Comminsky, J. 1 *c*
409 Decatur, Bklyn.
Comstock, K. M. † 1 *b*
227 Audubon ave.
Conan, N. J. 3 *m* 66 W. 68
Conant, T. W. 2 *s* 538 W. 114
Conard, J. † *nm ed*
106 Morningside Dr.
Cone, H. J. 1 *c* 740 Riverside Dr.
Conibear, G. R. 1 *l* 288 E. 10
Conklin, A. M. † 3 *b* 224 W. 105
Conklin, W. D. *pl* 435 W. 119
Conlan, R. † 1 *b* 317 W. 51
Conlin, A. B. 3 *c* Hartley
Conner, E. S. † 1 *pa* Whittier
Connick, L. 3 *l* 328 W. 72
Connolly, L. M. † *pl* 55 W. 109
Connor, D. † 1 *b*
1 Winthrop ave., White Pl.
Connor, H. R. † *nm ed* 416 W. 122
Connors, P. R. *nm pa*
513 E. 26, Paterson
Conover, E., † 4 *b*
36 Riverside Dr.
Countiss, F. N. 1 *c* Hartley
Conrad, W. L. 1 *c*
225 Murray, Elizabeth
Conroy, J. F. *gr ed* 227 Henry
Constable, F. H. *phar*
533 Ocean ave., Bklyn.
Constant, S. V. 2 *s* 565 W. 113
Constantine, J. H. *nm pa*
520 W. 124
Conti, A. C. L., Jr. 1 *c*
36 Highland ave., Yonkers
Conti, A. M. 1 *c* 353 Fifth ave.
Conway, A. E. † 1 *pa* Whittier
Conway, W. F. *gr ed* Edgewater
Cook, G. † 1 *pa* 601 W. 190
Cook, M. C. † 2 *b*
1029 E. 2, Bklyn.
Cook, R. † *nm ed* Whittier
Cook, R. C. 1 *c* Inwood
Cook, R. E. 1 *l* Furnald
Cook, S. H. 1 *c* 534 W. 114
Cook, V. † *a* 180 Claremont ave.
Cooke, J. S. C. *ph* 203 W. 103

Cooke, T. F. *p* 104 E. 40
Cooley, M. E. † *nm pa* 106 Morningside Dr.
Coombs, H. † 4 *pa* 501 W. 120
Coombs, H. C. † *gr ed* 65 Elliott ave., Yonkers
Coombs, L. 2 *c* 58 Morningside ave.
Coope, G. F. 4 *s* 431 W. 117
Cooper, B. † *nm p* 36 W. 126
Cooper, F. † 3 *pa* Whittier
Cooper, G. V. 1 *c* 243-74, Bklyn.
Cooper, L. F. † 3 *pa* 243-74, Bklyn.
Cooper, N. E. † 3 *pa* 423 W. 118
Copeland, L. S. 3 *j*
Copley, J. H. *pl* Madison
Corbett, H. † 3 *pa* 501 W. 121
Corbett, K. E. † 4 *ed* 503 W. 121
Corbett, W. H. 3 *c* 915 Forest ave.
Corbin, B. † *ph* 423 W. 120
Corcoran, M. † 3 *pa* 407 Chestnut, Arlington
Corey, C. R. *p* 400 W. 118
Corkey, B. L. † 4 *ed* Manasquan
Cornell, E. L. † *ph* 6740 Ridge Blvd., Bklyn.
Cornell, J. F. 4 *j* 459 E. 139
Cornell, M. † 3 *pa* 418 W. 118
Cornish, M. E. † 3 *pa* 541 W. 124
Cornwall, C. 3 *c* 540 W. 113
Coronel, J. J. *phar* 162 W. 123
Corso, A. *phar* 316 W. 49
Cortada, S. E. † 3 *ed* 612 W. 137
Corti, R. M. *phar* 29 Old White Plain Rd., Mamaroneck
Corts, F. L. *nm s* 456 Greenwood ave., Richmond Hill
Corwell, W. R. *p* 423 W. 120
Coryell, E. D. † *gr ed* 519 W. 121
Coryell, N. G. † *gr ed* 1414 Vyse ave.
Cosby, O. M. † 2 *pa* Whittier
Coster, J. S. 1 *m* 64 W. 94
Cotton, S. J. † *ph* 175 Claremont ave.
Coudert, F. R. 1 *c* 124 E. 56
Coulter, E. B. † 2 *pa* Brooks
Coulter, H. B. † 2 *b* Brooks
Coulter, J. H. *ph* 63 Mason, Greenwich
Coumbe, H. A. 1 *c* 413-51, Bklyn.
Courtney, H. W. 1 *c* 73 Berry
Couts, J. F. 1 *l* Livingston
Covey, F. H. 3 *pa* 904 Lexington ave.
Cover, J. H. 4 *c* 434 W. 120
Cowan, J. H. 1 *l* 62 E. 130
Cowan, W. W. 3 *s* 62 E. 130
Cowen, E. A. 3 *s* 39 E. 74
Cowen, R. H. 1 *c* 565 W. 162
Cowgill, B. R. *ph* Livingston
Cowperthwaite, H. F. 3 *c* 249 Kimball ave., Westfield
Cox, D. H. † *a* Brooks
Cox, F. F. 3 *m* 36 W. 70
Cox, G. B. *pl* 29 Vesey
Cox, J. † 4 *pa* 500 W. 122
Cox, J. *nm ed* 318 W. 57
Cox, W. C. 3 *m* 295-15, Bklyn.
Coxe, G. R. 1 *l* 32 E. 64
Coy, G. L. † *gr ed* 431 W. 120
Coyne, G. C. † 2 *pa* 100 N. B'way, Yonkers
Coyner, M. B. *gr ed* Livingston
Craddock, C. E. † *gr ed* 420 W. 121
Cragin, M. † *gr ed* 10 W. 50
Craik, C. E., Jr. *nm pl* 175 Ninth ave.
Cramer, J. † 1 *pa* Whittier
Cramer, J. N. P. *nm j* 17 W. 108
Cramer, M. N. † *sp b* 70 Lenox ave., East Orange
Cramp, A. P. 4 *s* 618 W. 113
Cranch, A. † 3 *b* 1673-85, Bklyn.
Crandall, H. W. *pl* 502 W. 113
Crandon, L. B. † *ph* 401 W. 118
Crane, A. S. 3 *c* 225 W. 129
Crane, G. J. *ph* 1031 Jefferson ave., Bklyn.
Cranston, G. † *gr ed* 527 W. 121
Craven, J. D. 3 *c* 565 W. 113
Crawford, A. R. 1 *c* Wykagyl Pk., New Rochelle
Crawford, D † *gr ed* 24 Ridge Rd., Summit
Crawford, W. C. *pl* 600 W. 122
Crespi, M. † *gr ed* 346 Rutland Rd., Bklyn.
Crespo, J. D. *gr ed* Hartley
Cretcher, D. † 2 *pa* Whittier
Crim, A. † *ph* 32 Nostrand ave., Far Rockaway
Cripps, G. † 1 *b* Brooks
Crissey, G. † *ph* 262 Liberty, Bloomfield
Crissman, G. R. *gr ed* 54 Morningside Dr.
Criswell, W. T., Jr. 1 *c* 558 W. 164
Critzas, E. 1 *c* 10 W. 102
Croall, J. L. 1 *c* 187 Clerk, Jersey City
Croce, J. 1 *c* 66 E. 122
Crocker, N. J. † *ph* 414 W. 121

Cronan, G. D. 4 *pa* Hartley
Cronenberg, C. W. 3 *c*
54 Mt. Vernon ave., Mt. Vernon
Cronin, E. S. † *p*
225 West End ave.
Cronin, T. † 1 *pa* Whittier
Cronk, H. M. 2 *c* 257 W. 100
Crook, J. B. 2 *c* 430 W. 116
Crosby, Z. E. † 4 *pa*
90 Morningside Dr.
Cross, M. E. † *nm pl* 501 W. 121
Crouch, C. † 4 *ed* Whittier
Crouse, D. S. 3 *l* Furnald
Croyle, H. I. *ph* 600 W. 122
Cruse, B. A. 3 *l* 435 W. 117
Crusins, C. F. *pl* 600 W. 122
Cruttenden, F. B. † 4 *ed* Whittier
Crystal, B. H. 1 *m*
21 Morrell, Bklyn.
Crystal, J. 1 *j*
393 Bloomfield ave., Bloomfield
Cudlipp, J. M. 2 *c*
New Brighton
Cullen, G. E. *p* 66 & Ave. A
Culman, O. 2 *c* 476 W. 143
Culver, F. E. † 4 *pa* 503 W. 121
Cumins, R. *gr ed*
1284 Amsterdam ave.
Cumming, A. G. *ph* 500 W. 122
Cumming, J. H. *phar*
678 Fulton, Bklyn.
Cummings, A. J., Jr. *ph*
42 Booraem ave., Jersey City
Cummings, A. R. *ph*
193 Berkeley Pl., Bklyn.
Cummings, B. R. 2 *s* 560 W. 180
Cummings, S. *ph* 600 W. 122
Cummins, R. A. *gr ed*
256 Stuyvesant ave., Lyndhurst
Cunningham, F., Jr. 1 *l* 138 E. 40
Curnen, A. L. † 2 *b* 519 W. 143
Curnow, D. † 2 *b* 342–4, Bklyn.
Curran, C. C. 3 *pa* Furnald
Curran, C. J. 3 *l* 435 W. 117
Currier, G. S. 3 *c* 313 W. 102
Curry, A. C. 1 *c* 245 W. 104
Curry, H. O. † 4 *b* 417 W. 118
Curry, L. R. † 4 *pa* Englewood
Curry, T. M., Jr. 3 *s* 245 W. 104
Curry, V. E. 3 *l* Hartley
Curry, W. A. 3 *s* 201 W. 98
Curry, Z. L. † *ph* Whittier
Curt, W. E. 2 *c* Livingston
Curtin, E. W. *nm c* 43 E. 27
Curtis, E. N. *pl* 612 W. 182
Curtis, J. M. 4 *pa* 435 W. 119
Curtiss, G. W. *pl* Furnald
Curtiss, L. K. † 2 *b* Brooks
Curwen, G. B. 4 *s* Hartley
Cushman, H. M. † *gr ed*
130 Claremont ave.
Cushman, R. E. *pl* Livingston
Cutler, C. N. † 2 *pa* 420 W. 121
Cutler, K. † 1 *b* 1250 Stebbins ave.
Cuttrell, F. † 1 *b* 1522–54, Bklyn.
Czajka, L. *nm l* 148 No. 4, Bklyn.

Dahlberg, H. R. † 3 *pa* Whittier
Daily, B. W. *gr ed* Livingston
Daisley, P. R. *a*
100 Madison, Bklyn.
Daisy, B. A. † 3 *pa*
New Brighton
Dalton, M. E. † 3 *pa* Whittier
Daly, R. J. 2 *c* 257 W. 116
Dana, J. † *sp b* 1 Fifth ave.
Danahy, J. W. 2 *j* Hartley
Dang, J. 2 *c* Hartley
Danheiser, R. V. † *ph* 200 W. 110
Daniels, E. † *nm ed*
72 Randall ave., Freeport
Daniels, M. † *nm ed* 104 W. 90
Daniels, M. P. † *gr ed* 414 W. 118
Danielson, L. C. 4 *c* 429 W. 117
Dann, O. 2 *l*
541 Flushing ave., Bklyn.
Dannaker, U. R. † *nm ed*
15 Claremont ave.
Dannenberg, W. N. 1 *l* 410 W. 115
Danzig, S. V. H. 4 *c* 500 W. 122
Dargeon, M. J. 1 *l* 3 W. 84
Darling, C. † 1 *pa* Hicksville
Darlington, E. C. B. 4 *c* 57 W. 58
Darlington, G. S. B. *ph*
175 Ninth ave.
Darrah, G. B. 1 *l* 435 W. 117
Darrow, M. † 1 *b*
35 Claremont ave.
Dash, T. 1 *c*
520 Bushwick ave., Bklyn.
Daubarn, E. † 1 *b* 105 W. 74
D'Auca, A. *phar* 503 W. 52
Daughters, F. *gr ed*
Rosebank, S. I.
Davenport, M. C. † 2 *b* Brooks
Davenport, R. L. 2 *l* Furnald
David, C. T. *nm* 305 W. 72
Davidman, J. I. *gr ed* 908 Tiffany
Davidow, P. H. 1 *c*
260 Riverside Dr.
Davidson, F. † *phar*
855 Hunts Point ave.
Davidson, H. B. 2 *c*
1151 Park ave.

Davidson, H. M. 1 *j* Furnald
Davidson, T. V. † 1 *b*
21 Elinor Place, Yonkers
Davies, G. † 3 *pa* Whittier
Davies, H. † 1 *b* 501 W. 121
Davies, J. † 3 *b* Edgewater
Davies, T. *ph* Hasbrouck Hghts.
Davis, A. W. 2 *c* 304 W. 81
Davis, C. E. *p* 408 W. 115
Davis, C. G. † *gr ed*
132 Franklin ave., Long Branch
Davis, C. P. *gr ed*
1109 Amsterdam ave.
Davis, E. † 4 *b* 66 E. 86
Davis, E. † 2 *b*
23 Van Buren, Bklyn.
Davis, E. B. 1 *j* Livingston
Davis, H. B. † *p* 414 W. 120
Davis, H. F. D. *sp s*
1166 Gresham Rd., Plainfield
Davis, J. L. *nm*
Davis, L. H. † 2 *pa* Whittier
Davis, M. F. † 3 *b* Whittier
Davis, N. J. † *gr ed* Whittier
Davis, M. M. † *ph*
209 Barbey, Bklyn.
Davis, P. *nm c*
Davis, P. L. *p* 3100 B'way
Davis, S. E. *gr ed*
Davis, W. E. 1 *c* Millers Place
Davis, W. E., Jr. *nm s*
60 Glenwood ave., Jersey City
Davisson, R. *nm l* 68 W. 51
Dawson, A. I. *p*
75 Lewis ave., Bklyn.
Dawson, G. M. 1 *m* Furnald
Day, C. S., Jr. 2 *c* 627 W. 113
Day, M. † *nm b*
23 Olyphant Place, Morristown
Day, P. M. † 4 *pa* 969 Fifth ave.
Day, S. J. 1 *c* 627 W. 113
Deacon, E. † *gr ed* 420 W. 116
Dean, D. † 3 *b* 86 and B'way
Dean, H. M. † *nm ed*
17 St. Andrews Place, Yonkers
Dean, I. † 3 *b* 141 W. 105
Dearden, E. M. † 4 *b* 125 E. 91
Dearden, G. A. † 2 *b* 125 E. 91
Dearnley, I. E. † 2 *pa* Whittier
de Bacourt, F. D. *ph* 9 W. 98
Debatin, F. M. *ph* Hartley
DeBellis, H. 1 *c* 152 Eighth ave.
De Biaso, F. J. *phar* 72 Thompson
Deborsky, M. 1 *j* 288 Monroe
De Era, A. H. *ph* 600 W. 122
Decker, A. M. † *pl*
417 William, E. Orange
Decker, M. G. 1 *c* 240 W. 116
Decker, R. K. 1 *c*
Rochelle Park, New Rochelle
Deecke, W. † 3 *ed*
456 Monroe, Bklyn.
Deegan, J. F. 1 *l*
214 Hall ave., Perth Amboy
De Fries, B. *phar*
6 St. Nicholas Ter.
Degener, I. † *nm b* 316 W. 89
DeGiacomo, J. C. 1 *c*
2253 Hughes ave.
de Golyer, C. † 4 *pa* Whittier
DeGraff, B. R. 2 *c* 141 W. 104
DeGroff, E. M. † *nm pa*
996 Central ave., Plainfield
DeHaven, B. L. † 3 *ed* Whittier
Deitsch, A. J. † *nm pl* 21 E. 83
Delano, L. L. † 1 *pa* Whittier
Delano, L. M. † *nm pa* 523 W. 121
Delano. S. E. † 1 *pa* Whittier
de Leon, J. *nm l*
14 Morningside ave.
de Lima, M. F. 3 *s* Furnald
Deloria, E. C. † 4 *pa* 505 W. 121
De Maria, A. G. † *ph* 342 E. 121
Dement, L. A. † 4 *pa*
Horace Mann School
Deming, A. † 4 *pa*
853 West End ave.
Demirjian, Z. *gr ed* 212 E. 20
DeMuria, E. H. 1 *c*
224 Johnson, Bklyn.
Demuth, F. W. 2 *l* 154 W. 105
DeNise, C. L. † *gr ed*
52 and Lexington ave.
Denison, A. C. 2 *c*
460 Riverside Dr.
Denner, A. G. † 3 *pa*
221 B'way, Paterson
Dennis, J. A. 1 *c*
238 Charles, Westfield
Denniston, M. † *ph* 430 W. 119
De Pree, H. P. *ph*
Box 104, Palisade
Derby, A. H. † *ph*
44 No. Arlington ave., E. Orange
Derbyshire, A. J., Jr. 4 *c*
1907 Vyse ave.
De Renne, W. W. 3 *j* 61 W. 48
De Rosa, E. *nm a*
182 Bay 11, Bklyn.
Derrick, R. O. *a* 434 W. 120
Derwan, C. † 1 *b*
38 Sunnyside ave., Yonkers
Desangles, J. A. *phar* 218 W. 21
De Santis, H. *phar* 214 E. 13

De Santis, J. 1 *c* 634 E. 14
deSchweinitz, M. † *ph*
24 Lloyd Road, Montclair
Desnoes, P. H. 4 *m* 4260 B'way
Despres, B. † 1 *b* 601 W. 113
Despres, B. † 2 *pa* 101 W. 80
Detwiler, O. † *nm ed* Whittier
Deutsch, B. † 2 *b* 310 W. 94
Deutsch, B. B. 1 *j*
286 Snediker ave., Bklyn.
Deutsch, E. † *ph*
1800 Crotona ave.
Deutsch, G. † 3 *pa* 317 W. 88
Deutsch, I. † 3 *pa* 601 W. 115
Dever, M. E. † *gr ed* 404 W. 115
Devlin, E. I., Jr. 1 *l*
76 Highland ave., Yonkers
Devlin, F. B. *pl* 625 W. 116
Dewar, D. † 3 *pa* Whittier
Dewar, W. 1 *c*
236 Halsey, Bklyn.
Dewey, H. E. *ph* Madison
de Witt, M. † *ph* Whittier
de Wolff, J. † *nm ed*
19 Oakland Pl., Summit
Dexter, R. † 1 *b* 146 E. 36
DeZeller, M. C. † *gr ed* 472 W. 22
DeZeller, M. P. † 4 *ed* 472 W. 22
Diamond, E. 3 *j* 128 W. 118
Dibble, R. F. *ph* 522 W. 123
Dickenson, M. E. † 3 *pa*
114 Morningside Dr.
Dickert, M. A. † 3 *pa* 55 W. 95
Dickes, D. † 1 *b* 176 So. 9, Bklyn.
Dickey, C. 4 *j* Furnald
Dickie, D. P. 4 *s* Livingston
Dickie, G. W. 1 *c* 536 W. 114
Dickinson, D. † 3 *ed*
168 Clinton, Bklyn.
Dickinson, L. † 4 *ed* Whittier
Dickinson, M. E. † *gr ed*
358 W. 73
Dickson, C. † 1 *b*
348 Whiton, Jersey City
Dickson, C. A. † 4 *pa* 420 W. 121
Dickson, L. E. † 4 *pa*
52 Summit ave., Jersey City
Dickson, M. † *gr ed* 52 W. 129
Diebolt, A. L. 4 *c* 514 W. 122
Diechmann, H. † 1 *b*
1261 Madison ave.
Diehl, E. C. † 3 *pa* 509 W. 121
Diekmann, W. H. 3 *s* 200 W. 123
Diercks, G. † 2 *b*
815 Summit ave., Jersey City
Dietz, M. 2 *j* 790 Riverside Dr.
Dike, A. M. † *gr ed*
95 Valley Rd., Montclair
Dikeman, O. L. † 2 *pa*
1052 Trinity ave.
Dillay, M. † 2 *b*
42 Bentley ave., Jersey City
Diller, H. E. † *ph* 419 W. 119
Dills, D. R. 2 *l* 344 W. 36
DiLorenzo, C. 1 *c*
2334 Hughes ave.
Dimon, H. H. 2 *l* Furnald
Dincin, H. B. *phar*
213 Second ave.
Dinegar, R. H. F. 1 *c* 10 W. 83
Dingman, N. McL. 4 *m*
Spring Valley
Dinnerstein, M. 3 *c* 78 Ave. B.
Dinsmore, S. B. † *gr ed* Whittier
Dispenza, R. † *phar* 822 E. 215
Divine, M. † 2 *b*
302 Carlton ave., Bklyn.
Dix, A. S. † 3 *pa* Whittier
Dixon, J. R. † 1 *b* 607 W. 116
Dixon, M. M. 2 *s*
56 St. Johns Pl., Bklyn.
Dixon, P. *a* 531 W. 113
Dobbins, M. † *nm ed*
40 Forest ave., Verona
Dobie, D. A., Jr. 2 *c* 545 W. 111
Dobrin, M. 3 *m*
152 Walnut, Montclair
Dobson, D. S. *a* 410 W. 115
Dodson, P. † 1 *pa* 137 E. 26
Dodd, R. C. 4 *m*
171 Linden ave., Glen Ridge
Dodds, W. P. 3 *m*
Desbrosses St. Pier
Dodge, D. † 4 *pa* Whittier
Dodge, F. † *nm ed* Englewood
Dodge, P. 4 *c* 563 Park ave.
Dodge, R. † 1 *pa* Whittier
Doherty, M. † *gr ed* 414 W. 121
Dohm, J. C. 1 *c*
454 Ft. Washington ave.
Dohrenwend, G. J., Jr. 1 *c*
147 W. 85
Dohrenwend, O. E. 1 *c* 147 W. 85
Doland, M. S. † *gr ed*
171 Manhattan ave.
Dolbeare, F. R. 3 *l* 68 W. 51
Dolfinger, E. † *nm pa* Whittier
Domen, T. *nm pl*
80 Manhattan ave.
Donaghue, T. W. *ph* Furnald
Donahue, J. J. *ph*
1422 Vyse ave.

Donahue, M. † 1 *b*
22 Garrison, Paterson
Donald, H. G. *sp s* 601 W. 151
Donaldson, F. †4 *pa* Whittier
Donaldson, J. H. 1 *c* 35 E 22
Dondo, A. A. *ph*
2807 Surf ave., Bklyn.
Donham, H. † *gr ed*
160 Claremont ave.
Donlin, P. E. *nm c* 619 W. 113
Donnell, R. R. 1 *c* 317 W. 107
Donnelly, E. McT. 3*j* Furnald
Donnelly, R. V. 4 *s* 21 W. 106
Donnelly, W. J. *phar* Bay Shore
Donoho, J. B. 2 *s* 429 W. 117
Donohough, A. C. L. † *pl*
202 W. 74
Donovan, W. J. V. *p*
1848 Bathgate ave.
Doody, M. † 4 *b* 107 W. 82
Doolittle, A. K. 1 *c* 473 W. 158
Dooman, D. S. 1 *m*
130 Wadsworth ave.
Doran, C. A. † *nm ed* 503 W. 121
Doremus, J. W., Jr. *nm l* 515 W. 139
Dornes, J. A. 1 *c* 536 W. 114
Dornin, A. A. † *a* Whittier
Dougal, M. P. † 3 *ed* 422 W. 119
Dougherty, C. *phar*
Dougherty, E. D. † 3 *pa* Whittier
Dougherty, I. S. † *p* 227 E. 62
Dougine, G. N. † *ph* 2261 Loring Pl.
Douglas, G. H. *pl* 600 W. 122
Douglas, R. S. 2 *l* Livingston
Douglass, E. L. *nm c* 609 W. 114
Douthett, W. R. *gr ed*
71 State, Bloomfield
Dowd, A. K. 1 *l* 505 W. 122
Dowling, L. 3 *s* 627 W. 115
Downing, M. E. † 1 *b*
164 Palisade ave., Yonkers
Dowsey, H. G. *phar* Great Neck
Doyle, E. R. 3 *j* Furnald
Doyle, L. C. † 1 *b*
7 Highland ave., Jamaica
Doyle, M. E. † *ph*
854 Seventh ave.
Drachman, E. J. 3 *l* 128 W. 121
Drachman, J. M. *ph* 128 W. 121
Drachsler, J. *pl*
1476 Lexington ave.
Dragotta, B. *phar*
2339 Prospect ave.
Drake, E. † *gr ed* 519 W. 121
Drayton, H. C. *nm c* 829 Park ave.
Dreizin, H. *phar* 17 E. 113
Dreux, P. S. 1 *c*
135 Hamilton Place
Dreyer, S. 2 *c* 155 Eighth ave.
Driscoll, F. L. 3 *l* 120 W. 48
Drullard, A. B. 3 *c* 614 W. 113
Drury, K. C. 4 *j* Hartley
Druss, L. J. 1 *c*
819 Blake ave., Bklyn.
DuBois, B. † 2 *pa* Whittier
DuBois, E. † 3 *pa* Whittier
DuBois, H. J. † *nm b* 119 E. 57
DuBois, J. H. *pl* 522 W. 123
DuBois, N. A. † 3 *pa* Fort Lee
DuBois, R. O. 4 *c* 119 E. 57
Dubs, H. H. *ph* 600 W. 122
Ducen, D. F. *sp s*
35 Ft. Washington ave.
Dudley, M. C. † 3 *pa* Whittier
Duer, B. 1 *l* 127 E. 78
Duffield, E. R. † *p* 543 W. 123
Duffy, A. † *ph*
519 Manhattan ave.
Dumpman, E. L. † 3 *pa*
523 W. 123
Dunbar, D. L. 4 *c* Dobb's Ferry
Dunbar, R. † *nm ph*
120 and Amsterdam ave.
Duncan, F. A. † *nm ed* Leonia
Duncan, F. N. *p* Livingston
Duncan, J. D. 4 *c* 429 W. 117
Duncan, W. M. *gr ed*
596 Jefferson ave., Elizabeth
Duncker, A. † 1 *pa* Whittier
Dunham, F. G. 3 *c* 633 W. 115
Dunkin, R. F. † 3 *j* 309 W. 97
Dunn, A. M. † 3 *pa* Whittier
Dunn, B. J. *phar*
1583 Pelham Road
Dunn, J. A. *nm s*
106 Central Park W.
Dunn, O. L. † 2 *b*
233 George, New Brunswick
Dunn, T. I. *pl* Hartley
Dunning, G. H. *phar* 75 W. 68
Dunphy, G. † 3 *b* 404 W. 149
Durant, W. J. *ph* 506 W. 136
Durfee, C. G. *ph*
2247 Valentine ave.
Durfee, H. G. *pl*
24 Hamilton ave., New Rochelle
Durkan, M. C. † 4 *ed* Whittier
Durkin, W. J. 1 *c* 94 W. 162
Duryea, M. S. † 3 *ed* 519 W. 121
Dushkin, A. M. *gr ed* 201 W. 118
Duskis, L. 1 *c*
438 Hopkinson ave., Bklyn.
Dustin, B. F. † *nm pl* 135 E. 52

Dutcher, E. W. † *ph*
Passaic Park
Dutcher, M. G. † 4 *pa*
79th and Shore Dr., Bklyn.
Dutrow, M. M. † *nm ed*
48 Forsyth
Duttling, K. R. † 4 *pa* 509 W. 121
Dwight, J. O. 1 *l* Hartley
Dworkin, S. *phar* 123 E. 112
Dwyer, H. E. † *ph* 456 W. 153
Dwyer, J. G. *p* 40 E. 41
Dwyer, M. † 2 *b* 456 W. 153
Dwyer, M. K. † 3 *pa*
343 Summit ave., Jersey City
Dwyer, W. W. 4 *c*
1225 Madison ave.
Dye, J. S. 4 *m* 375 Park ave.
Dyke, E. D. † *pl* 211 W. 108
Dyson, W. *pl* 315 W. 119

Eager, E. N. 1 *j* 417 W. 120
Earle, D. † 4 *b*
Hastings-on-Hudson
Earle, E. M. 2 *c* 614 W. 113
East, A. M. 2 *c* Hartley
East, A. M. † *gr ed* 414 W. 121
Eastlack, H. E. *p* Livingston
Eaton, T. H. † *gr ed* 525 W. 120
Ebeling, K. W. 3 *pa*
247 William, E. Orange
Eberle, D. V. † 4 *pa* Whittier
Eberstadt, F. 1 *l* E. Orange
Eccles, A. K. *gr ed* 145 E. 176
Eckels, C. A. 2 *l* Furnald
Eckert, F. W. *pl* Furnald
Eddy, R. † *gr ed* 500 W. 121
Edebohls, F. E. 4 *s* 331 W. 101
Edgerton, E. I. *gr ed* 601 W. 185
Edinger, E. H. 4 *c*
544 Jackson ave., Jersey City
Edling, A. M. † 1 *pa* Ridgewood
Edman, I. 2 *c* 416 W. 122
Edmondson, R. B. † 2 *b*
515 W. 122
Edsall, M. W. † 4 *pa* Whittier
Edson, C. A. *gr ed*
680 St. Nicholas ave.
Edwards, A. B. † 3 *pa* 501 W. 121
Edwards, C. C. † *ph* 309 W. 91
Edwards, E. † *nm pa*
264 Riverside Dr.
Edwards, F. † *gr ed* Whittier
Edwards, F. T. 4 *c* 415 E. 15
Edwards, J. B. 2 *s*
236 Linden ave., Bklyn.
Edwards, N. † 2 *b* Brooks
Edwards, S. C. † *gr ed* Metuchen

Effinger, R. C. 4 *c*
106 Morningside Dr.
Efron, A. 1 *c* 53 E. 97
Efros, I. I. *ph* 85 E. 99
Egan, R. M. † 1 *b* 312 E. 30
Egan, W. P. 1 *l* Livingston
Egerman, I. *phar*
11 Prospect, Yonkers
Egloff, G. *p* 503 W. 148
Ehlers, J. D. † 4 *ed*
1729 Amsterdam
Ehlinger, R. B. 1 *m*
Ehrenreich, J. D. 4 *ed* 69 E. 101
Ehrhart, A. † 1 *pa* 351 W. 29
Ehrlich, A. *phar* 216 E. 10
Ehrlich, B. † 1 *b* 1701 Fulton ave.
Ehrlich, D. E. 3 *c* 529–8, Bklyn.
Ehrman, S. L. *nm l* Livingston
Eichenberg, M. A. 4 *s* 550 W. 157
Eilperin, G. 1 *c* 590–2, Bklyn.
Eisenberg, I. P. *pl*
5021 Third ave., Bklyn.
Eisner, M. N. 4 *c* 166 E. 107
Eisner, M. N. 2 *m*
98 Main, Poughkeepsie
Eklund, H. † 4 *pa*
2334 Andrews ave.
Elder, J. † *ph*
235 Lefferts ave., Richmond Hill
Elder, M. † *sp b*
373 Nostrand ave., Bklyn.
Eldridge, R. B. *gr ed*
879 Kenmore Pl., Bklyn.
Elener, P. R. 2 *c* 417 W. 118
Eletz, A. † *pl* 3 E. 106
Eletz, B. † *ph* 3 E. 106
Elfers, H. E. † *gr ed* 418 W. 118
Elias, N. M. 4 *s* 423 W. 158
Eliot, A. V. 1 *c* 144 East End ave.
Elkes, S. *phar*
88 So. Orange ave., Newark
Ellinger, G. J. † *nm b* 19 E. 61
Ellinger, L. J. 4 *c* 19 E. 61
Ellington, A. J. 4 *m* 36 W. 70
Elliot, A. C., Jr. 2 *c* 429 W. 117
Elliot, L. † 1 *pa*
68 Montague, Bklyn.
Elliott, A. B. *pl* 2323 Loring Pl.
Elliott, L. P. *gr ed* Perth Amboy
Ellis, A. † 2 *pa*
50 Florence ave., Irvington
Ellis, B. N. † *ph* Whittier
Ellis, E. R. † 1 *pa* Whittier
Ellis, M. K. † *nm ed* Whittier
Ellis, R. † 2 *b*
1853 Madison ave.
Ellis, W. J. *pl* Leonia

Elsasser, H. W. *p* 302 W. 109
Elstein, C. *ph*
441 Sutter ave., Bklyn.
Elting, S. V. 1 *l* Furnald
Elwyn, A. 4 *c* 23 E. 109
Ely, C. B. † *ph* 414 W. 121
Ely, M. † *sp b* 419 W. 118
Ely, G. W. 2nd 1 *c* 614 W. 113
Embry, D. W. † 1 *pa* 419 W. 119
Embry, M. C. † 4 *pa* 419 W. 119
Embury, D. A. 2 *l* Morrisville
Emendorfer, M. J. † *nm ed*
503 W. 121
Emerson, A. W. 3 *pa* 307 W. 70
Emerson, J. T. † *nm b* 131 E. 66
Emery, D. W. † 1 *pa* Whittier
Emmet, W. C. 1 *l* 39 E. 72
Emmett, A. D. *pl* 431 W. 121
Emmons, N. † *ph* 21 W. 73
End, G. K. 1 *j* 405 W. 118
Endly, J. † 4 *pa* Whittier
Endress, J. J. † 3 *pa*
86 W. Grand, Elizabeth
Engel, B. A. † 3 *ed* 328 Eighth ave.
Engel, E. R. *ph*
598 Marcy ave., Bklyn.
Engle, F. S. *nm s*
36 Clinton, Rahway
Engel, S. † 4 *b* 524-44, Bklyn.
Engel, S. 3 *c* 223 W. 120
Engelman, C. *phar*
667 Cauldwell ave.
Engles, W. 1 *c* 136 Orchard
English, K. R. † 4 *ed*
477 Park Pl., Bklyn.
English, W. *gr ed*
477 Park Pl., Bklyn.
Ennis, T. L. 1 *l* 430 W. 119
Entelmann, M. † 3 *pa*
333 Alexander ave.
Eppley, M. *p* 39 E. 57
Epstean, E. † 3 *pa* 611 W. 114
Epstein, E. † 1 *b* 1105 Forest ave.
Epstein, L.
378 Kosciusko, Bklyn.
Epstein, M. L. *phar*
3781 Third ave.
Erdman, A. B. † 4 *pa* Whittier
Erdofy, M. E. 2 *s* 854 W. 180
Erikson, E. J. † 2 *pa*
1547 So. Boulevard
Erickson, J. A. *pl* 500 W. 122
Ermanno, M. 1 *l* 162 E. 83
Ernst, F. C. † *ph* 152 W. 122
Ernst, M. 4 *s* 152 W. 122
Erpf-Lefkovics, C. E. 3 *l*
301 E. 10
Erskin, C. D. † *nm pa*
Blackwell's Island
Erskine, R. † 4 *b* 609 W. 115
Erwin, M. † 4 *pa*
Garden City Estates
Erwin, R. † *gr ed*
181 Post Rd., White Plains
Escoett, J. *phar*
402 N. Main, Port Chester
Eskey, C. L. 2 *j* 627 W. 113
Esperson, G. E. *phar*
11 Montague Ter., Bklyn.
Esser, A. E. 4 *s* 618 W. 113
Ettenberg, G. J. *phar*
304 Rivington
Evans, A. L. 2 *l* Furnald
Evans, E. † *nm ph* 411 W. 114
Evans, H. 3 *l* 44 Wall
Evans, J. F. 2 *l*
178 Vreeland ave., Paterson
Evans, M. † 2 *pa* Whittier
Evans, R. † 3 *pa* 417 W. 120
Evans, R. D. † 4 *b* 512 W. 122
Evans, S. S., Jr. 2 *s*
377 Fifteenth ave., Paterson
Evans, W. V. *p* Mohegan
Evenchick, A. 1 *c* 174 E. 2
Evens, L. W. 3 *c*
196 Vernon ave., Bklyn.
Everett, C. E. † *nm ed*
474-3, Bklyn.
Everett, R. *j* 422 W. 115
Everson, A. † 3 *pa* Whittier
Everson, D. R. 3 *c* 131 W. 71
Everson, R. K. 1 *c* 131 W. 71
Ewing, A. † 3 *pa*
70 Morningside Dr.
Exstein, L. R. † 3 *b* 500 W. 122
Eyles, C. E. † *pl*
106 Morningside Dr.
Eyoub, D. 4 *s* Livingston
Eyster, E. M. † *pl* 417 W. 120

Faas, C. T. 3 *l* 420 W. 119
Faber, M. A. † 4 *pa* Plainfield
Failla, G. 4 *s* 549 W. 129
Fair, E. † 4 *ed* 420 W. 121
Fairbank, A. M. *gr ed* 600 W. 122
Fairchild, H. N. 2 *c* Hartley
Fairfield, J. 1 *c* 431 W. 117
Fairfield, M. B. † 4 *pa*
153 Fourth ave., East Orange
Fajans, C. B. † 3 *b* 408 W. 130
Falk, E. A. 2 *l* 151 E. 60
Fales, H. A. *p* Havemeyer
Falk, S. G. 1 *c* Livingston

Fanelli, R. 1 *c*
98 Webster ave., New Rochelle
Faries, J. C. *pl*
90 Morningside Dr.
Farnham, C. E. † *nm ed* Kearny
Farnum, W. B. 2 *m* 150 E. 150
Farquhar, G. N. *a* 612 W. 116
Farr, C. H. *p* 528 W. 123
Farr, F. L. 1 *c*
163 W. 2, Mt. Vernon
Farr, J. V. † *p* 361 W. 121
Farrell, G. † 3 *b* 443 W. 43
Farrell, H. W. † 3 *ed* 70 W. 95
Farrell, L. † 3 *pa* Whittier
Farrell, M. D. † 3 *b* 443 W. 43
Farrell, M. M. † *ph* 443 W. 43
Fatman, E. J. † *pl* 23 W. 81
Faulke, G. † *ph* Box 292, Chatam
Faulkner, E. † *gr ed* Whittier
Faulkner, H. U. *pl* 616 W. 113
Faulwetter, R. C. *p* 528 W. 123
Faust, C. C. † *ph*
1025 Lincoln Place, Bklyn.
Fay, T. Y. 4 *c* Hartley
Fearn, H. O. 3 *s* Oyster Bay
Federman, S. H. 4 *s* 167 W. 81
Feeley, V. † *pl*
586 City Island ave., City Island
Feeney, A. E. *nm l* 520 W. 123
Feigin, S. 2 *c*
347 Berriman, Bklyn.
Feigin, S. *phar* 235 E. 10
Fein, J. 4 *c*
236 Christopher ave., Bklyn.
Feinberg, C. 4 *c* 310 E. 79
Feinberg, H. *phar* 17 Bayard
Feinberg, R. *phar*
10 Main ave., Middle Village
Feinberg, S. C. 2 *c*
730 Riverside Dr.
Feinerman, J. *phar* 63 E. 102
Feinstein, A. *pl*
573 Saratoga ave., Bklyn.
Feinmel, M. *phar*
58 St. Marks ave.
Feldman, P. 1 *c* 438 E. 23
Feldman, P. *phar*
444 Howard ave., Bklyn.
Feldstein, B. *phar*
736 Second ave.
Feldstein, S. *phar* 528 E. 5
Feleky, A. † *ph* 508 W. 114
Felix, P. A. † 3 *j*
159 and Mott ave.
Felker, P. M. 3 *l* Livingston
Feller, H. 1 *c* 37 Clinton
Fellows, L. G. † *ph* 430 W. 119
Felsen, J. 4 *m* 492 W. 136
Felshin, M. 1 *c* 1341 Fifth ave.
Feltus, L. M. *phar* 510 W. 124
Fendler, H. E. 1 *c*
15 Glen ave., Mt. Vernon
Feniello, J. *phar* 162 W. 29
Fenn, I. H. *p*
298 Pulaski, Bklyn.
Ferebee, S. H. *nm j* 370 W. 120
Ferger, H. R. *gr ed* 600 W. 120
Ferguson, G. O., Jr. *ph* Livingston
Ferguson, L. H. 2 *m* 318 W. 57
Ferguson, M. † 1 *b* Brooks
Fern, S. S. 4 *c* 10–1, Elizabeth
Fernandez, J. S. *nm l* Livingston
Fernandez, M. 1 *c* 611 W. 158
Fernschild, W. H. *pl*
New Rochelle
Fernstrom, T. † 4 *b*
665 Carroll, Bklyn.
Ferrari, L. *phar* 21 King
Ferrin, L. E. † *p* 519 W. 121
Ferris, D. B. *a* Garden City
Fery, A. C. P. *nm c* 244 W. 48
Ferry, I. † 2 *pa* Whittier
Fesenmeier, L. 1 *l* Furnald
Fessenden, R. K. *nm l* 435 W. 117
Fezandie, D. † 3 *b* 165 E. 66
Fezandie, E. H. 1 *c* 165 E. 66
Fichandler, A. *gr ed*
1072 Park Place, Bklyn.
Fichman, A. 1 *pa* 60 Second ave.
Fichter, W. L. *ph* 17 W. 100
Fichthorn, E. † 4 *ed* 500 W. 122
Fiebig, A. D. † *ph* 313 E. 57
Fiebig, E. † *gr ed* 313 E. 57
Field, M. C. 3 *m*
158 Hicks, Bklyn.
Field, N. C. † 4 *pa* 503 W. 121
Field, W. H. 2 *m*
224 Henry, Bklyn.
Fields, C. J. *phar* 555 Walton ave.
Fierstein, J. 1 c
107 Van Buren, Bklyn.
Fike, T. R. V. 3 *l* 152 W. 118
Filer, H. L. 1 *l* Livingston
Fillmore, H. M. † 2 *pa* 239 W. 134
Filsinger, A. H. *phar* 271 W. 119
Fimmen, E. A. 1 *l* 501 W. 121
Finck, E. M. *ph*
312 Chestnut, Arlington
Fine, M. 1 *c* 111 E. B'way.
Fine, N. M. *ph*
236 Christopher ave., Bklyn.
Finegold, M. † 1 *b*
1270 Madison ave.
Fingland, W. *pl* 600 W. 122

Fink, B. † 4 *b*
40 DeKalb ave., White Plains
Fink, E. H. 4 *c*
40 DeKalb ave., White Plains
Finkelstein, H. *a*
431 Jerome, Bklyn.
Finkelstein, I. R. † *nm ed*
1532–54, Bklyn.
Finkelstein, S. *gr ed* 494 E. 139
Finkelstein, W. 2 *m* 26 E. 109
Finkerstein, C. I. 1 *l*
941 Simpson
Finkle, O. G., Jr. 1 *m*
510 Amsterdam ave.
Finkle, P. 3 *c*
936 Sutter ave., Bklyn.
Finlay, A. C. † *nm pa* Whittier
Fiorentino, P. J. *phar* 343 E. 11
Firth, M. W. 1 *c* 519 W. 134
Fisbeck, F. C. † 4 *ed*
40 Highland Pl., Ridgefield Park
Fischel, B. M. † 1 *b* 118 E. 93
Fischel, R. † 1 *b* 118 E. 93
Fischer, D. P. M. 1 *c*
1256 Ocean ave., Bklyn.
Fischer, E. † 3 *b* 229 W. 97
Fischer, G. W. *p* 755 Home
Fischer, H. S. 3 *c*
155 Hopkins, Bklyn.
Fischer, M. L. † 1 *pa* 50 Cooper Sq.
Fischer, R. † 3 *pa*
826 E. 22, Paterson
Fishback, E. H. 4 *ed* Hackensack
Fisher, D. 2 *s*
672 St. Nicholas ave.
Fisher, F. C. 1 *l* 610 W. 116
Fisher, H. J., Jr. 1 *c* 515 W. 182
Fisher, H. L. 2 *l* Hartley
Fisher, J. E., Jr. *nm l*
Ritz Carlton Hotel
Fisher, K. † 2 *b*
1978 Crotona ave.
Fisher, L. A. † *ph* 419 W. 118
Fishkin, J. † 3 *pa* 226 W. 113
Fishman, M. 1 *c*
704 Georgia ave., Bklyn.
Fisk, D. M. *pl* Livingston
Fiske, P. B. 2 *m* Byron
Fitt, F. *pl* 600 W. 122
Fitzgerald, W. T. *phar*
Fitzpatrick, E. T. † *p*
919 Ogden ave.
Fitzpatrick, F. S. † *pl* Furnald
Fitzsimons, I. V. † *ph*
444 Palisade ave., Weehawken
Fjelde, V. M. † *nm ed* 543 W. 123
Flack, H. † *nm ed* 718 W. 180
Fleck, J. *phar*
665 Cookman ave., Asbury Park
Fleer, F. † 4 *b*
301 W. Lincoln ave., Mt. Vernon
Fleisher, F. L. † *nm pl*
103 Waverly Place
Fleming, E. J. † *pl* 544 W. 157
Fleming, I. M. † 4 *pa*
100 Morningside Dr.
Flemm, M. H. *pl* 1247–45, Bklyn.
Fletcher, H. D. 1 *m*
447 Halsey, Bklyn.
Flomenhoft, M. *gr ed* 11*a* E. 118
Flora, M. † 2 *b* Brooks
Flournoy, F. R. *pl* Livingston
Flower, W. C. 2 *c*
313 Gregory ave., Passaic
Flowers, H. L. 3 *c*
10 Pinehurst ave.
Flye, J. H. *pl* 175 Ninth ave.
Flynn, K. 3 *s* 176 W. 87
Foerster, W. F. L. 4 *c* 431 W. 117
Foerman, R. 3 *c*
225 Rodney, Bklyn.
Fogg, W. G. 3 *c* 1388 Teller ave.
Foley, M. J. † *nm ph* 2 W. 120
Folwell, E. A. † *ph* 503 W. 121
Fonda, F. A. † *gr ed* 519 W. 121
Foos, I. D. † 1 *pa* 500 W. 122
Foote, I. † 1 *b* 535 Park ave.
Foote, M. N. 3 *m*
285 Jefferson ave., Richmond Hill
Forbes, E. S. † 2 *pa* 500 W. 122
Forbes, G. 1 *l* 8 W. 56
Forbes, H. *ph* 612 W. 116
Forbes, J. R. 2 *l* 430 W. 118
Forbes, M. † *sp b* 430 W. 118
Ford, J. † *nm b* 875 Park ave.
Ford, L. R. *sp s*
244 Riverside Drive
Ford, R. † 1 *b*
14 Cleveland, Corona
Forshew, H. † 4 *ed*
1710 Ave. H., Bklyn.
Forssell, A. E. † *gr ed*
1276 Castleton ave., West New Brighton
Forster, H. G. *pl* 600 W. 122
Forsyth, W. S. 1 *l* Livingston
Forte, C. † 1 *pa* Whittier
Fortuine, S. T. 3 *m* 400 W. 57
Foster, C. A. † 3 *pa*
Foster, H. C. L. 4 *c* 500 W. 122
Foster, H. H. *gr ed*
124 Morningside ave.

Foster, L. 2 *j*
1444 Crotona Park E.
Fowler, D. F. 3 *l*
440 Riverside Dr.
Fowler, J. *nm s* 36 Vernon ave.
Fowler, J. C. 1 *c* 231 W. 122
Fowler, R. L., Jr. *a* 28 E. 75
Fowler, T. L. 1 *c* 231 W. 122
Fox, A. C. † 2 *b*
33 Rowan Pl., Winfield Junction
Fox, D. F. *pl* 600 W. 122
Fox, D. R. 2 *c* 504 W. 151
Fox, E. B., Jr. 3 *c*
2567 Sedgwick ave.
Fox, H. M. † *gr ed* 150 W. 86
Fox, J. † 2 *b* 222 Riverside Dr.
Fox, K. N. † 4 *b* 505 W. 112
Fox, P. P. † *gr ed* 420 W. 119
Frame, E. L. † 4 *pa* Whittier
Frame, R. M. † *gr ed*
27 So. Thirteenth ave., Mt. Vernon
Francis, L. R. 4 *c* 172 W. 141
Frank G. 3 *pa*
100–13 ave., Newark
Frank, J. † *p* 75 Northern ave.
Frank, M. † 2 *pa* 318 W. 22
Frank, R. † 4 *pa* 324 E. 79
Frank, R. A. *phar*
408 Main, Union Hill
Frank, V. P. 3 *l* 305 W. 138
Frankel, B. *phar* 526 W. 139
Frankel, S. 4 *s* 1923 Daly ave.
Frankfurter, E. † 3 *pa*
1045 Clay ave.
Frankham, C. R. *pl*
54 Morningside Dr.
Franklin, A. † 1 *b*
32 Kenmore Pl., Bklyn.
Franklin, A. † 3 *b* 609 W. 116
Franklin, K. M. † 4 *pa*
38 Sanford ave., Flushing
Franklin, R. D. 3 *c* 431 W. 117
Fraser, D. E. † 3 *b*
3 Willow Place, Yonkers
Fraser, L. *pl* 9 E. 10
Frazee, T. † 1 *b* 434 W. 124
Frazier, E. L. † 1 *b*
140 Claremont ave.
Free, A. V. *nm pa*
1613 Overing, Westchester
Freedman, I. 3 *c* Hartley
Freeman, R. H. 2 *l* Livingston
Freeston, M. C. † *ph* 401 W. 118
Freifeld, G. F. *gr ed* 433 E. 84
French, C. T. A. *pl* 195 W. 134
French, H. J. 4 *s* 644 Riverside Dr.
French, L. G. † 4 *pa* 418 W. 118
French, L. H. † 4 *pa* Whittier
Frenzel, A. † 2 *b* 518 W. 111
Fretwell, E. K. *gr ed*
23 Clinton, Bklyn.
Freudenfels, E. 4 *c* 142 E. 83
Freudenheim, L. D.
9 Marshall Road, Yonkers
Frey, W. G., Jr. 3 *c* 558 W. 113
Freyre, F. *pl* Livingston
Fridenberg, R., Jr. 1 *c*
596 Riverside Dr.
Friedberg, M. D. 2 *s* 56 Broome
Friedel, M. 2 *j* Hartley
Friedenberg, D. 1 *c*
436 Clinton ave., West Hoboken
Friedlander, A. W. *phar*
71 Second ave.
Friedlieb, J. *phar* Arverne
Friedman, A. 2 *s* 334 E. 15
Friedman, A. S. *phar* 140 Forsyth
Friedman, B. † *ph* 238 E. 71
Friedman, I. *phar* 290 Second
Friedman, N. *phar*
382 Hamburg ave., Bklyn.
Friedman, R. *phar*
788 Halsey, Bklyn.
Friedman, W. 4 *m* 7 Ave. B.
Friedrich, P. E. 4 *s*
2400 Bathgate ave.
Fries, C. † 4 *b* 9 W. 82
Fries, L. L. † *ph* Whittier
Fries, M. † 3 *b* 9 W. 82
Frisbie, D. M. 3 *j* 550 W. 114
Friscia, J. P. *phar* 496 W. B'way
Fritz, H. M. † 1 *pa*
901 Ogden ave.
Fritz, J. *phar* 110 Henry
Froelich, C. † 4 *b*
436 Throop ave., Bklyn.
Frommer, S. A. B. 4 *j*
Frosch, H. L. 1 *c* 165 Orchard
Fuchs, S. A. *pl* 129 W. 116
Fuerst, S. M. 1 *j*
176 Amity, Bklyn.
Fuhrer, O. A. 4 *s* 337 E. 94
Fulk, J. R. *gr ed* 501 W. 121
Fuller, A. † 4 *b*
150 Palisade ave., Jersey City
Fuller, B. C. *pl*
380 Lewis ave., Bklyn.
Fuller, D. M. 2 *m*
252 Lexington ave.
Fuller, H. F. *gr ed*
41 Central ave., Caldwell
Fuller, L. S. † *pl* Whittier
Fullerton, G. M. † *ph* 501 W. 124

Fullgraff, M. A. † 3 *pa*
106 Northern ave.
Funcke, W. A. 1 *c* Elberon
Funke, C. A. D. 3 *s* 160 W. 142
Funkhouser, A. P. *pl* 600 W. 122
Funnell, S. L. † *gr ed*
114 Morningside Dr.
Furia, J. J. 2 *c* 912 Freeman
Fusfeld, I. S. 4 *c*
106 Gerry, Bklyn.

Gabriel, J. C. 3 *s* 61 W. 104
Gaby, W. E. *p* 528 W. 123
Gachot, C. A. J., Jr. 2 *s*
137 E. 73
Gadarine, H. † *gr ed* 421 W. 121
Gaertner, H. A. 2 *s* 812 E. 179
Gage, L. † *nm ed* 501 W. 120
Gainsborg, E. C. 2 *s*
981 Woodycrest ave.
Gaffney, M. P. *gr ed* 541 W. 122
Gaipa, A. A. 1 *l*
126 Zabriskie, Jersey City
Gaither, E. H. 1 *c*
39 Remsen, Bklyn.
Galbraith, L. † 3 *pa* Whittier
Gale, E. E. † *gr ed* 509 W. 94
Gale, E. H. *nm l* Furnald
Gale, M. † 4 *pa* 606 W. 116
Galgano, L. *phar*
Dobb's Ferry Rd., White Plains
Galls, A. V. *phar* 311 E. 60
Gallup, M. M. † *ph* 419 W. 119
Galt, J. M. 4 *c* 503 W. 121
Galt, J. R. † *ph* 430 W. 119
Galt, S. E. † *pl* 417 W. 118
Gamba, M. *a* 608 W. 113
Gambrill, B. L. † *gr ed* 501 W. 121
Gammon, S. M. † 4 *ed*
71 Ridge Rd., Rutherford
Gampert, L. 3 *s* 2 E. 127
Gamrin, E. 4 *m* 128½ Monroe
Ganssle, L. † *phar*
10 Callister, Queens
Ganz, E. † 1 *pa*
37 Lincoln, Jersey City
Garabedian, R. *phar* 432 E. 14
Garcia, F. *nm l* B'way & 86
Garcia, J. M. 1 *c* 249 W. 107
Gardiner, C. E. † *nm ed*
Gardiner, C. L. 4 *pa* 5 E. 129
Gardner, E. M. 4 *s* Hartley
Gardner, M. D. † *nm ed*
420 W. 121
Gardner, M. W. † *gr ed* Whittier
Garfunkel, L. 1 *c* 2 E. 120

Garlock, E. A. † *gr ed*
329 Park ave., Leonia
Garnjost, W. T. S. *a*
84 High, Yonkers
Garrett, C. G., Jr. 1 *c*
2125 Madison ave.
Garrett, H. L. † 4 *pa* Whittier
Garrett, J. † 4 *pa* Whittier
Garrett, L. E. *nm ph* Livingston
Garrett, P. W. *pl* Livingston
Garrison, W. L. 4 *s* 550 W. 114
Garvin, E. M. † *nm ed* Whittier
Garwood, L. E. *pl*
33 Church, Nutley
Gast, I. M. *gr ed*
26 Prospect Pl., Hempstead
Gaston, G. H., Jr. 2 *l*
B'way & 78
Gates, H. G. † *p* Whittier
Gates, M. N. 2 *l* 161 Avenue A
Gates, T. † 1 *b*
187 Emerson Pl., Bklyn.
Gath, F. M. † 4 *pa*
Gatje, F. C. 2 *s*
368 Park Pl., Bklyn.
Gaul, M. E. † 3 *ed* Whittier
Gavin, F. *ph* Chelsea Sq.
Gavin, H. † *p* 309 W. 101
Gaylor, W. M. *gr ed* 508 W. 114
Gaynor, C. A. F. 2 *c* 151 W. 88
Gaynor, N. J. 1 *l* 614a–3, Bklyn.
Geary, A. M. 3 *l* Livingston
Gebraetz, M. M. 1 *pa*
25 Waverly ave., Newark
Geckelman, I. 3 *pa*
251 So. 3, Bklyn.
Gedney, A. H. 1 *c* 627 W. 113
Geer, C., † 2 *b* 60 W. 84
Geer, H. † *ph*
50 Pineapple, Bklyn.
Geffen, M. M. 3 *j* 1034 Hoe ave.
Geib, A. P. 1 *c* 358–60, Bklyn.
Geiger, B. H. *phar*
2716 Decatur ave.
Geiger, H. A. W. *phar*
842 Hewitt Pl.
Geiger, W. J. 2 *c* 435 W. 117
Geisler, L. R. *pl* Livingston
Geiss, A. M. C. † *gr ed*
2072 Homecrest ave.
Geist, V. C. *phar*
465 Onderdonk ave., Bklyn.
Gelbhaus, F. H. 2 *c*
332 Flushing ave., Bklyn.
Gelbin, O. † *ph*
1352 St. Nicholas ave.

Gell-Mann, I. *phar*
2091 Prospect ave.
Gentry, A. H., Jr. *a* 500 W. 122
George, H. L. 4 *s* 14 W. 101
Geraty, C. † 4 *b* Brooks
Gerbereux, W. D. 1 *c*
75 Sunnyside Dr., Yonkers
Gerken, F., Jr. 1 *l* 52 W. 75
Gerloff, M. † 1 *b* Mt. Kisco
German, B. *phar* 182 Second ave.
Gerow, C. D. *gr ed*
29 Cornell ave., Yonkers
Gerow, E. † 3 *pa* Whittier
Gersch, E., 2 *s* 982 Jackson ave.
Gerson, B. F. 2 *l* 616 W. 114
Gerson, S. J. *phar* 865 Fox
Gertz, E. K. † *gr ed*
263 Rich ave., Mt. Vernon
Gertz, L. 2 *c* 47 Puntine, Jamaica
Gertz, M. 3 *s* 47 Puntine, Jamaica
Gesswein, E. W. 3 *pa* E. Orange
Getts, C. H. 1 *l* Furnald
Gewirtz, M. *gr ed* 280 E. 10
Gianella, A. F. † 3 *b*
410 Seventh ave., Bklyn.
Giaquinto, E. *phar*
143 Wallace, New Haven
Gibb, A. † 1 *b* 42 W. 75
Gibbs, B. F. 4 *ed* 435 W. 119
Gibbs, C. V. † *nm pa* 416 W. 122
Gibbs, L. R. *pl* 435 W. 119
Gibson, A. K. † 3 *pa* Whittier
Gibson, A. W. 2 *s* 2131 B'way
Gibson, J. B. 1 *c* Hartley
Gibson, W. W. 1 *l*
Giddings, F. M. † 1 *b* 303 W. 104
Giden, A. A. 2 *l* 89 Pitt
Gifford, M. E. † *nm ed*
29 Morris, Yonkers
Gifford, W. J. *gr ed* 502 W. 122
Gilbert, E. † 2 *b*
95 Greenwood ave., E. Orange
Gilbert, F. B. 4 *s*
17 Cypress ave., Flushing
Gilbert, R. † *p*
1086 Amsterdam ave.
Gilbert, V. † 1 *b*
Croton-on-Hudson
Gilbert, W. W. *p*
521 Manhattan ave.
Gildersleeve, H † *nm ed* 420 W. 121
Gill, G. A. 1 *c*
197 Rodney, Bklyn.
Gill, G. E. *pl* Furnald
Gill, I. C. † 1 *pa* Whittier
Gillard, D. † 1 *pa*
210 Tenafly Rd., Englewood
Gilleaudeau, H. † 4 *b*
Mamaroneck
Gillelen, W., Jr. 1 *l* 533 W. 112
Gillespie, E. R. † 3 *pa*
117 Prospect, Stamford
Gillespie, H. B. 2 *c* 23 W. 12
Gillespie, J. P. *pl*
490 Riverside Dr.
Gillett, H. E. *phar* Suffern
Gillett, H. M. † 3 *pa*
L. I. Col. Hosp., Bklyn.
Gillett, L. H. † *gr ed*
160 Claremont ave.
Gillette, C. E. † *gr ed* Hackensack
Gillette, G. W. T. 1 *c*
21 Claremont ave.
Gilliar, R. E. *phar* Great Neck
Gillis, A. 1 *c* 68 E. 116
Gillman, E. J. C. † *ph* 106 E. 116
Gillman, J. M. *pl* 106 E. 116
Gillmore, C. C. † 4 *ed* 519 W. 121
Gillmore, L. † 3 *ed* 94 Lawrence
Gilman, C. 2 *c* 431 W. 117
Gilman, E. † 1 *pa* Whittier
Gilmore, F. V. *pl*
Gilmore, S. L. 1 *c* 76 W. 105
Giltner, E. E. *pl* 418 W. 118
Ginsberg, I. 4 *ed* 205 W. 133
Ginsberg, J. *phar* 135 Third ave.
Ginsburg, D. 2 *c*
1269-47, Bklyn.
Ginsburg, S. 1 *c*
39 Brooklyn ave., Bklyn.
Ginsburg, S. 2 *l* 228 W. 114
Gippe, H. † *gr ed* 503 W. 121
Girdner, A. † 2 *b* 47 W. 71
Girdner, E. † 1 *b* 47 W. 71
Girdner, F. W. 3 *c* 47 W. 71
Giroux, L. M. *a* 11 W. 81
Gittelson, W. *ph* 38 W. 113
Gitterman, A. † *gr ed* 40 W. 59
Gittinger, B. † 3 *pa* Whittier
Gittleson, M. 1 *c* 101 W. 117
Given, P. L. 3 *l* Furnald
Givens, W. E. *pl* 600 W. 122
Gladstein, J. 3 *s* 74 Willett
Glaser, A. † 3 *ed* Whittier
Glaser, J. B. *phar* 54 E. 101
Glass, E. 1 *c* 489-16, Bklyn.
Glass, L. † 4 *ed* Whittier
Glassberg, B. *pl*
143 Christopher ave., Bklyn.
Gleeson, J. M. 3 *s* 184 W. 101
Glenn, G. E. 1 *c* Hartley
Glenn, R. C. *pl* Hartley
Glennie, A. C. 2 *c*
62 Mapes ave., Newark

Glimm, W. F., Jr. 4 *s* 618 W. 113
Globus, J. H. 2 *c* 28 & First ave.
Gluck, E. 1 *c* 539 Second ave.
Gluck, J. B. 3 *l*
611 Columbus ave.
Gluck, R. † 3 *ed* 254 W. 129
Goddard, A. C. † *p*
443 Park ave.
Goddard, F. A. † 2 *pa* Whittier
Goddard, M. H. † 1 *pa*
335 Moore ave., Leonia
Godfrey, V. M. † 3 *pa*
525 W. 120
Goebel, J. L., Jr. *pl* Livingston
Goenaga, C. † 2 *pa* Whittier
Goerlich, A. C. 2 *c*
1051 Tinton ave.
Goertz, M. † *gr ed* 343 E. 58
Goetz, H. *ph* 227 E. 86
Gold, E. *ph* 42 W. 120
Gold, G. 2 *c* Hartley
Gold, H. 4 *c* 182 So. 3, Bklyn.
Gold, M. † *nm pa*
623½ Willoughby ave., Bklyn.
Goldberg, A. 1 *j*
303 Putnam ave., Bklyn.
Goldberg, B. 1 *c* 16 E. 103
Goldberg, B. *phar* 291 Monroe
Goldberg, E. I. *phar*
317 Union, Trenton
Goldberg, J. A. *pl* 628 E. 6
Goldberg, J. S. 2 *l* Furnald
Goldberg, M. † *phar* 148 W. 141
Goldberg, N. E. † *ph* 611 W. 152
Goldberg, S. P. 1 *m* 292 E. B'way
Goldberger, S. *phar* 333 E. 69
Goldblatt, R. M. † 4 *ed*
1578 Lexington ave.
Goldfarb, B. 3 *m*
1539-44, Bklyn.
Goldfinger, H. 2 *s* 42 W. 116
Goldin, G. B. 3 *l* Livingston
Goldman, H. 1 *m*
366 Steinway ave., L. I. City
Goldsmith, B. † *pl*
68 Cambridge Pl., Bklyn.
Goldstein, H. † 1 *b*
99 Claremont ave.
Goldstein, H. *phar* 326 E. 159
Goldstein, H. S. *ph* 8 E. 97
Goldstein, I. *pl* 261 W. 112
Goldstein, I. E. 1 *c* 313 E. 102
Goldstein, J. 1 *m* 312 Madison
Goldstein, J. C. 4 *s* 419 E. 73
Goldstein, M. 2 *c*
496 Sackman, Bklyn.
Goldstone, E. † 3 *b* 2 W. 89
Goldstone, E. G. *pl* 125 E. 101
Goldstone, J. 4 *m*
1126 Park ave.
Golcmbe, H. 2 *c* 115 E. 115
Goliman, M. R. 4 *s*
585 B'way, Bklyn.
Goll, B. C. † 4 *ed*
25 Pulaski, Bklyn.
Gollick, W. A. 2 *c*
127 Chestnut ave., Jersey City
Gollubier, E. S. 4 *pa* 870 E. 170
Golumbek, I. *phar* 109 Broome
Gompf, A. P. 3 *pa* Livingston
Good, F. F. *gr ed* 525 W. 120
Goodbar, E. M. 1 *l* Livingston
Goodchild, F. M. 1 *m* 2612 B'way
Goode, J. C. 1 *c* 168 W. 135
Goodglick, S. 3 *m* 437 W. 59
Goodhart, M. W. † *pl*
88 Central Pk. W.
Goodman, A. *p* 53-7
Goodman, A. H. 1 *c* 147 W. 142
Goodman, D. 2 *c* 147 W. 142
Goodman, H. 4 *c* 141 W. 10
Goodman, H. 2 *m* 58 W. 8
Goodman, H. I. 4 *j*
711 Eastern Pkwy., Bklyn.
Goodman, I. *gr ed*
1416 Pitkin ave., Bklyn.
Goodson, L. I. † *nm ed* 400 W. 118
Goodstein, P. 4 *c* 63 W. 110
Goodwin, E. L. † *pl* 415 W. 115
Goodwin, W. S. *ph*
2 Columbus Circle
Gorden, M. † *pl*
364 Clermont ave., Bklyn.
Gordon, D. 1 *c*
1720 Madison ave.
Gordon, E. M. † *gr ed*
439 W. 123
Gordon, H. Z. *pl* 247 W. 130
Gordon, K. J. 2 *c*
1 Bellevue, Weehawken
Gordon, L. E. † *pl* Brooks
Gordon, P. 3 *c*
158 Bergen, Newark
Gordon, W. E. 4 *s*
1881 Madison ave.
Gorham, J. H. *pl* 175 Ninth ave.
Gorman, B. A. *phar*
Gorman, W. F. 2 *c*
133 Passaic ave., Nutley
Gorsch, R. V. 1 *m*
3332 Decatur ave.
Gorton, E. P. † 3 *b* Brooks
Gorton, M. S. † *gr ed* 420 W. 118

Gosling, B. M. † 3 *pa*
54 Elm, Montclair
Gosnell, F. L. *pl* 600 W. 122
Gotel, E. A. 1 *m* 580 Broome
Gotshall, H. † 2 *pa* Whittier
Gott, A. R. † 4 *pa* Whittier
Gottesman, J. 4 *m*
1015 Trinity ave.
Gottesman, L. *phar* 54 E. 99
Gottlieb, I. 1 *l*
562 Bedford ave., Bklyn.
Gottlieb, J. † 2 *b* 210 W. 79
Gottlieb, L. *pl* 12 W. 117
Gottschall, R. J. *pl* 600 W. 122
Goucher, F. S. *p* 509 W. 121
Gould, A. † *nm ed*
106 Morningside Dr.
Gould, G. J., Jr. 2 *c*
857 Fifth ave.
Gould, P. L. 1 *j* Furnald
Gould, R. L. *ph*
720 Ave. C, Bayonne
Goulko, M. *phar* 507 W. 142
Gowdy, J. *pl* Livingston
Gowing, C. † 4 *pa* 537 W. 121
Graae, R. † 4 *b*
24 Market, Perth Amboy
Grady, J. T. 2 *l*
114 Morningside Dr.
Graeb, G. H. † *a*
1114 Forest ave.
Graef, G. H. † *nm pa*
425 Washington ave., Bklyn.
Graffe, D. † 1 *b* 507 W. 134
Grafton, H. K. 2 *l* 205 W. 107
Graham, M. A. † *p*
47 Kensington ave., Jersey City Hghts.
Graham, M. C. † *nm p* 460 W. 49
Graham, R. N. 3 *ed* Hartley
Graham, S. E. 3 *c* 614 W. 113
Graham, W. J. *ph* Livingston
Granatelli, A. *phar* 241 E. 114
Grandin, F. † *nm ed*
25 Fort Washington ave.
Grant, E. A. † 4 *ed* Whittier
Grant, F. † 1 *b* 527 W. 142
Grant, H. 4 *ed* Furnald
Grant, P. McN. 4 *c* Hartley
Graves, F. A. 4 *ed* 527 W. 123
Graves, G. N. *phar* 75 W. 68
Gray, A. B. † 4 *pa* Whittier
Gray, C. E. † 4 *pa* Whittier
Gray, E. † 1 *b* 218 W. 129
Gray, J. 1 *c* 523 W. 157
Gray, J. N. *gr ed*
5918 Bay Pkway., Bklyn.
Gray, M. † 4 *b* Brooks
Gray, R. R. † 1 *b* 246-14, Bklyn.
Gray, V. F. † *ph* 527 W. 121
Graydon, G. M. † *pl* 26 Jones St.
Graystone, B. E. *phar*
Great, S. *phar* 23 E. 111
Green, H. P. *a* Hollis
Green, H. S. † *p* 414 W. 120
Green, J. *phar* 1 Willett
Green, L. C. † *ph* 519 W. 121
Greenbalgh, L. R. † 4 *pa*
41 Purser Pl., Yonkers
Greenbaum, G. † 4 *b* 2 E. 94
Greenbaum, I. † 1 *b* 2 E. 94
Greenbaum, M. R. † *nm ed*
978 Woodycrest ave.
Greenberg, I. † *p*
92 Morningside ave.
Greenberg, J. R. *a*
2040 Seventh ave.
Greenberg, L. 4 *s* 557 W. 124
Greenberg, M. 2 *m*
1044 Forest ave.
Greenberg, S. *phar* 218 E. 115
Greenberg, S. L. 1 *c*
45 Bradford, Bklyn.
Greenberg, W. *phar* 722 E. 9
Greenberger, M. 4 *m* 302 E. 79
Greenburg, I. C. † 4 *ed*
557 W. 124
Greene, G. P. *a*
Greene, H. F. *nm l* 400 W. 118
Greene, H. U. 2 *s*
33 Beech Rd., Ridgewood, N. J.
Greene, M. H. † *nm pa* Whittier
Greene, S. R. *ph*
27 Grace Ct., Bklyn.
Greenland, C. W. *p* Hartley
Greenleaf, D. L. 4 *s*
434 Riverside Dr.
Greenough, G. B. 1 *c* Hartley
Greenspan, S. S. † *p*
172 Varet, Bklyn.
Greenwald, A. 3 *pa*
338 Chestnut, Richmond Hill
Greenwald, G. V. † *ph*
27 So. Seventh ave., Mt. Vernon
Greenwald, L. 3 *s* 317 E. 57
Greenwald, M. M. *phar* 286 E. 2
Greenwald, R. R. † 4 *pa*
797 Sterling Pl., Bklyn.
Greenwood, W. † 4 *ed* 714 W. 179
Greer, R. L. *nm c* Furnald
Gregg, D. I. † *nm ed* 604 W. 125
Gregg, H. † *nm pa*
100 Morningside Dr.

Grelo, M. † 4 *pa* 523 W. 121
Gretsch, L. M. † 2 *b* 541 W. 124
Griffin, E. † *nm pa* Whittier
Griffin, E. B. 2 *l* 550 W. 114
Griffin, J. G. 2 *l* 601 W. 110
Griffin, R. F. 4 *j* 558 W. 113
Griffiths, A. B. † *ph*
1387 Dean, Bklyn.
Griffiths, M. R. M. † 1 *b*
412 Audubon ave.
Griggs, M. A. † *p* Brooks
Grimes, F. W. † 4 *pa*
East Hall, Univ. Hghts.
Grimes, R. C. † 3 *pa*
60 Boyd ave., Jersey City
Grimm, E. B. † 1 *b* 257 W. 148
Grimshaw, C. † 1 *b*
Roosevelt Hosp.
Grimshaw, H. E. *pl*
Kensington Rd., Garden City
Griscom, B. † 4 *pa* 541 W. 124
Grof, J. † 4 *ed*
168 Spring, Ossining
Groff, C. L. † 3 *pa* Whittier
Grollman, M. 3 *m* 150 Henry
Groman, S. 3 *s*
725 Fairmount Pl.
Gropper, M. H. 1 *c*
398 Bainbridge, Bklyn.
Groshens, M. † 2 *b* Brooks
Gross, A. G. † 1 *b*
150 Manhattan ave.
Gross, A. N. 3 *pa* 12 E. 115
Gross, B. *nm pl*
185 Sands, Bklyn.
Gross, E. † 1 *b* Arlington
Gross, H. C. † *nm ed*
55 Church, Montclair
Gross, M. E. † *gr ed* 404 W. 115
Grossman, D. *phar* 70 Columbia
Grossman, E. † 3 *b*
1347 Lexington ave.
Grossman, H. 3 *s* 1218 Third ave.
Grossman, J. *phar* 1801 Victor
Grossman, J. B. *gr ed* 18 E. 7
Grossman, P. † 1 *b*
1347 Lexington ave.
Grossman, S. S. *ph* 247 W. 130
Grosvenor, R. 1 *m*
601 Madison ave.
Grote, L. K. † *pl* 362 E. 156
Groten, F., Jr. 3 *s*
45 Park ave., Paterson
Gruenstein, E. 1 *c* 60 W. 95
Grunberg, I. A. 3 *j* 200 W. 111
Grussner, A. N. 1 *c*
826 B'way, Bklyn.
Guardenier, L. H. † *nm pa*
359 Stuyvesant ave., Bklyn.
Gubner, P. A. † 3 *b* Brooks
Guck, O. M. *phar*
1472 President, Bklyn.
Guggenheim, R. M. 3 *c*
425 W. 160
Guilbeau, M. M. † *gr ed*
430 W. 119
Guilford, E. † 3 *pa* 240 W. 121
Guilshan, J. H. 1 *c* 354 W. 120
Guiney, D. F. *nm ed* Nutley
Guinzburg, A. † 1 *b*
494–14, Bklyn.
Guldner, R. 1 *m*
50 Morningside ave.
Gunther, E. L. 1 *c*
29 E. 4, Mt. Vernon
Gunzendorfer, L. † 2 *b* 316 W. 97
Gurley, R. B. *gr ed*
40 Park ave., E. Orange
Gurry, W. J. *phar*
Gussow, N. *gr ed* 961 ave. St. John
Gustafson, F. W. *pl* 600 W. 122
Gustafson, W. W. *ph*
456 Greene ave., Bklyn.
Guterman, H. 3 *s* 53 W. 113
Guthmann, J. D. 1 *l* Furnald
Guthrie, C. † 2 *b* 232 E. 11
Guthrie, R. W. 3 *j* Furnald
Gutmann, J. 1 *c* 2 W. 89
Gutowski, A. T. *phar* 420 E. 153
Guttenberg, B. † *ph*
1465 Fulton ave.
Guyot, R. M. *nm c*
Central ave., Jersey City
Gwathmey, W. R. 1 *m* 318 W. 57

Haaren, A. H. 2 *l* 147 W. 122
Haas, L. 1 *c* 191 Stockton, Bklyn.
Hadad, I. A. 1 *c* 120 W. 89
Hadden, K. 1 *l* 7 E. 76
Hadinger, A. *phar* 423 E. 86
Hadsell, E. † 4 *pa*
99 Claremont ave.
Haeberlin, H. K. *ph* Livingston
Hagadorm, M. J. † 1 *pa* Whittier
Hagaman, L. S. *phar*
46 Hatfield ave., Port Richmond
Hageman, D. 2 *s*
1239 Herkimer, Bklyn.
Hagemeyer, F. H. 3 *c*
815 Ritter Pl.
Hague, F. A. † *pl*
106 No. 9, Newark
Hahn, H. H. † 4 *pa* Whittier
Hahn, I. † 2 *b* 26 W. 91

Hahn, P. M. 1 *l*
385 Ft. Washington ave.
Haiblum, L. N. 3 *l*
682 Bay, Stapleton
Haight, J. P., Jr. 2 *s* 540 W. 113
Haight, V. W. 2 *c* Montrose
Haines, E. E. † 4 *ed* 417 W. 120
Haines, S. D. † *gr ed* Whittier
Haire, T. C. *a* 565 W. 113
Hajek, C. W. 1 *c*
51 Worthington, Winfield
Hakes, T. I. *phar*
31 Snyder, Orange
Halbert, H. L. 1 *m* Geneva
Halbert, W. C. *a* Furnald
Haldenstein, A. A. 4 *c* 321 W. 92
Hale, A. M. † 4 *pa*
220 St. James Pl., Bklyn.
Hale, D. K. † *sp b* 537 W. 121
Hale, H. L. *pl* 78 & East End ave.
Hale, R. L. *pl* 537 W. 121
Hall, A. *gr ed* Hartley
Hall, A. A. † 2 *b* 517 W. 171
Hall, B. E. † 4 *ed*
124 Mason, Greenwich
Hall, D. † 3 *b* 90 Morningside Dr.
Hall, E. B. † 3 *b* 204 W. 114
Hall, F. C. 3 *c* 245 W. 48
Hall, G. B. *a* 473 W. 140
Hall, G. N. 1 *pa* 510 W. 124
Hall, H. C. *nm c*
152 Main, Port Washington
Hall, H. W. 2 *l* Furnald
Hall, J. C. *nm l* Livingston
Hall, M. † 2 *pa* Whittier
Hall, R. M. 4 *pa* 112 W. 109
Hallett, M. † 2 *b* Brooks
Hallock, A. C. † *pl* 36 E. 65
Hallock, E. S. 1 *c*
215 So. Fifth ave., Mt. Vernon
Hallock, E. M. † 4 *ed* 500 W. 122
Hallock, F. A. *p* 527 W. 121
Halloran, W. F. *gr ed*
86 W. Grand, Elizabeth
Halperin, H. *p*
Halpern, S. 1 *c*
179 Avon ave., Newark
Halsey, M. † 4 *ed* Whittier
Halter, C. R. 2 *c* 243 E. 123
Ham, W. C. 3 *l* 435 W. 117
Hamburger, E. † 1 *b*
736 Riverside Dr.
Hamdi, A. F. 4 *s* 422 W. 115
Hamel, G. † *gr ed*
288 Ridge, Newark
Hamilton, A., Jr. *nm l* 10 E. 11
Hamilton, A. M. † *gr ed* 420 W. 121
Hamilton, C. E. 3 *c* 430–50, Bklyn.
Hamilton, M. 1 *c* 565 W. 113
Hamlin, J. D. *ph* 175 Ninth ave.
Hammarstrom, C. A. 2 *c*
568 Atlantic ave., Bklyn.
Hammerstein, O. 3 *c*
314 Central Pk. W.
Hammond, A. A. *phar*
14 Meeker, W. Orange
Hamrick, J. Y., Jr. 4 *m* 346 W. 56
Hanahan, M. L. 2 *s* Hartley
Hanaway, R. C. 3 *c*
220 Audubon ave.
Hanchett, A. C. 3 *s* 429 W. 117
Handin, L. 1 *c* 1354–57, Bklyn.
Handy, P. B. *nm c* 119 W. 82
Hanellin, S. *phar* 204 E. B'way
Hanemann, H. W. 1 *c* 255 W. 93
Hanley, F. L. † *gr ed* 117 W. 90
Hanlon, J. T. 3 *s* 601 W. 115
Hahn, C., Jr. 3 *l* 608 W. 113
Hann, D. R. † 1 *pa* Whittier
Hann, R. P. † 4 *ed* 503 W. 121
Hanna, M. † *gr ed* 527 W. 121
Hannan, W. S. *p*
121 Mt. Hope Pl.
Hans, E. O. *phar* 100 W. 105
Hansel, H. A. J. † 1 *b*
524 E. 29, Bklyn.
Hansen, H. B. 4 *m*
213 Jane, Weehawken
Hanser, D. I. 1 *c*
876 Southern Blvd.
Hansle, E. C. † 2 *b* 1034 Union ave.
Hanson, E. M. † *nm pa* 419 W. 121
Hara, Z. *nm c* 450 Fourth ave.
Harada, T. *ph* 80 Manhattan ave.
Harbeson, J. W. *gr ed* Hartley
Harden, M. M. † 3 *ed*
1161 Amsterdam
Hardenbergh, N. M. † 3 *pa*
115 W. 129
Hardenbergh, W. 1 *j*
1380 Taylor ave.
Harding, M. † 1 *pa* 1 W. 81
Harding, R. E. † 2 *pa*
1298 Dean, Bklyn.
Hardison, R. McK. *a* 430 W. 118
Hardwick, E. G. † 4 b
662 E. 32, Bklyn.
Hardy, R. G. † *pl*
431 Washington ave., Bklyn.
Haring, E. L. † 3 *b*
446 Cherry, Elizabeth
Harkins, L. A. † *nm pa* 419 W. 119
Harmelin, T. *ph* 46 Sheriff
Harnar, F. E. *pl* 600 W. 122

Harold, E. H. *phar*
Harper, J. † 4 *b*
1071 St. Nicholas ave.
Harper, P. S. 3 *s* 532 W. 114
Harrah, E. 3 *l* 27 E. 64
Harrer, H. † 4 *b*
233 Macon, Bklyn.
Harrington, L. M. † *nm ed*
589 W. 122
Harrington, M. S. † *gr ed* Andover
Harris, C. P. *p* 243 W. 98
Harris, J. E. 4 *ed*
369 Herkimer, Bklyn.
Harris, R. S. 2 *l* Furnald
Harris, W. H. † *nm ed*
363 Grand ave., Bklyn.
Harrison, C. J. 1 *c* 316 W. 20
Harrison, E. 1 *m* 755 Jennings
Harrison, E. E. 1 *c* 2 E. 97
Harrison, E. G. † 4 *ed* 423 W. 120
Harrison, J. R. 1 *c* Hartley
Harrison, M. † 1 *b* 209 W. 107
Harrower, K. † 1 *b*
855 West End ave.
Harshbarger, J. F. *gr ed* Furnald
Hart, A. 1 *c*
75 Maple ave., Morristown
Hart, C. C. † 4 *pa* 3089 B'way
Hart, L. † 1 *b* Pleasantville
Hart, L. B. † 3 *pa* W. 119
Hart, L. C. † 4 *ed* 527 W. 121
Hart, L. M. 1 *j* 59 W. 119
Hart, M. M. † 4 *ed* Whittier
Hartig, S. H. 4 *s* 228 Audubon ave.
Hartley, B. *gr ed* 512 W. 123
Hartley, E. C. *a* 34 Vermilyea ave.
Hartman, R. C. † 4 *ed* 501 W. 122
Hartnett, E. E. 3 *pa* 501 W. 123
Hartnett, M. H. † 1 *pa* 505 W. 121
Hartsock, H. B. 1 *l*
1253 Amsterdam ave.
Hartivgsen, H. J. 3 *m*
1831 Marion ave.
Harvitt, A. 3 *s* 192 Hooper, Bklyn.
Harwood, H. R. 4 *s* Tenafly
Harwood, M. M. † *gr ed* Whittier
Hasbrouck, M. L. † 3 *pa*
45 Fulton, Newark
Haskins, B. † 1 *pa* Whittier
Haskins, B. T. 3 *c* Hartley
Hassan, A. A., Jr. 2 *c*
61 Waldorf Ct.
Hassinger, E. W. † 2 *pa* 435 W. 146
Hassinger, P. E. 4 *c* 435 W. 146
Hastings, F. A. 3 *c*
102 Maple, Richmond Hill
Hatch, F. † 1 *b* 571 W. 139
Hatch, L. † *p* Brooks
Hatch, R. A. *pl* 175 Ninth ave.
Hatch, S. C. *phar*
Hatch, V. 2 *l* Livingston
Hatt, E. D. *nm ph* 226 W. 105
Hatt, G. *ph* 226 W. 105
Hattorff, P. † 2 *b*
30 Van Corlear Pl., Marble Hill
Hauben, L. 3 *m* 38 W. 117
Hauch, E. F. *ph*
196 Somerset, New Brunswick
Hauckel, M. S. † 4 *ed* Whittier
Haupert, P. F. *pl* 456 Riverside Dr.
Haven, J. † *gr ed* 537 W. 123
Havender, J., Jr. *gr ed*
236 Tremont ave.
Havens, H. C. † 4 *pa* Whittier
Hawk, K. W. 4 *s* Hartley
Hawkins, N. L. *nm b*
Hawkins, O. † *nm pa* Glen Rock
Hawks, P. J. † 3 *pa* 420 W. 121
Hawley, C. O. *ph* 600 W. 122
Hayden, M. F. † 2 *b*
593 Riverside Dr.
Hayden, P. M. *ph* Livingston
Hayes, C. W. *pl* Cresskill
Hayes, E. A. 2 *s* 1625-49, Bklyn.
Hayes, M. C. † 4 *pa* 420 W. 121
Haynes, C. B. *pl* Furnald
Hays, R. † 1 *b*
115 & Riverside Dr.
Hayum, A. H. 1 *l* Furnald
Hayward, C. L. 2 *s* 565 W. 113
Hayward, H. S. † 4 *ed* 400 W. 118
Hazen, B. B. † *gr ed*
Hazleton, F. L. *pl* 522 W. 123
Hazzard, S. B. *pl* 600 W. 122
Heacock, M. J. † 1 *b* 173 W. 85
Headrick, W. C. *nm pl*
324 Pleasant ave.
Heady, J. H. *pl* 365 W. 27
Healy, F. C. 3 *s*
722 St. Nicholas ave.
Healy, J. 1 *c*
221 Willoughby ave., Bklyn.
Healy, J. X. *ph* 2582 Eighth ave.
Healy, T. J. 2 *l* Hartley
Hearn, C., Jr. 2 *l* Furnald
Heartwell, F. W. *p*
17 Schermerhorn st., Bklyn.
Heath, J. D. 2 *c* 175 W. 88
Heath, J. N. 2 *s*
752 E. 18, Paterson
Heaton, H. C. *ph*
University Hghts.
Hebald, S. 1 *m* 200 Bowery
Hecht, R. † 3 *b* 219 W. 81

Hecht, S. † *nm pa* Maywood
Hecht, S. S. R. † 2 *b*
39 Claremont ave.
Hecht, W. S. *phar* 1277 Hoe ave.
Heck, E. B. 2 *m* 350 W. 58
Heddesheimer, H. E. *phar*
781 E. 176
Hedemark, A. C. † *ed* Whittier
Hedges, R. E. *pl* 600 W. 122
Hedley, P. † 3 *b* 2308 Andrews ave.
Hedstrand, G. F. 1 *c* Danbury
Heft, H. L. † *p* 414 W. 118
Heintze, O. J. *nm ph* Bronxville
Heisler, J. J. *phar* 275 W. 7
Heldt, F. H. 1 *c* 122 E. 86
Helgeson, E. M. † *nm pa*
Heller, H. B. *phar* 704 E. 6
Heller, J. A. *phar* 27 Canal
Heller, M. J. *phar* 3 Sheriff
Heller, M. *phar* 28 Broome
Hellman, H. E. † *ph* 301 W. 81
Hellstrom, C. I. *ph* 600 W. 122
Helmer, M. *nm c*
8 Garden Pl., Bklyn.
Helms, H. H. 2 *c*
15 Maple Pl., Ossining
Henderson, C. R. *a*
12 Greenridge ave., White Plains
Henderson, E. † 3 *pa*
940 Madison ave., Paterson
Henderson, F. T. 2 *c*
434 Riverside Dr.
Henderson, H. † *ph*
49 Henry, Bklyn.
Henderson, H. B. 3 *l* Hartley
Henderson, H. G., Jr. 4 *s*
434 Riverside Dr.
Hendler, M. *phar* 27 E. 110
Hendley, C. J. *pl*
133 E. First ave., Roselle
Hendricks, H. S. 1 *l* 54 W. 87
Hendricks, R. † *gr ed* 321 W. 55
Henkel, W. *phar*
1533 Greene ave., Bklyn.
Henne, A. W. 3 *c* 536 W. 114
Hennes, H. L. 2 *m* 332 E. 30
Hennessy, H. † 1 *b* Brooks
Henry, A. S., Jr. 3 *s*
333 Central Pk. W.
Henry, E. † 1 *b* 417 W. 118
Henry, E. † 4 *b* 80 Claremont ave.
Henry, I. R. † 1 *pa*
54 Washington, Nyack
Henry, M. Y. † *ph*
92 Highland ave., Jersey City
Henry, M. F. † *gr ed*
106 Morningside Dr.
Henry, T. B. 3 *m* 36 W. 70
Henry, W. 2 *s* 333 Central Pk. W.
Hensley, G. † *nm ed* Whittier
Herbert, M. K. † 2 *b* 420 W. 121
Herckner, C. H. † *nm pa*
211 Passaic, Hackensack
Hereth, M. M. † 4 *pa*
2104 Beverly Rd., Bklyn.
Heritage, M. H. † *ph* Brooks
Herkert, K. J., Jr. 2 *l* 565 W. 113
Herman, A. 1 *c* 827 Manida
Herman, E. † 1 *b* 105 W. 114
Herman, H. 2 *c* 627 Third ave.
Herman, H. 4 *c* 208 E. 69
Herman, I. 2 *c* 105 Quincy, Bklyn.
Herman, M. M. *nm pa* 499 E. 170
Herman, S. 3 *c* 119 W. 114
Hermann, A. C. C. † 2 *b*
34 Sterling Pl., Bklyn.
Hermann, G. *phar*
318 North ave., E., Cranford
Hermsdorf, R. P. 2 *s* 538 E. 88
Hernandez, C. F. *a* 237 W. 107
Herold, F. † 4 *pa* 604 W. 115
Herpolsheimer, A. O. *phar*
34 W. 65
Herre, E. F. † 3 *pa* 388–8, Bklyn.
Herrett, L. F. *pl* Livingston
Herrick, H. E. 3 *l* 22 W. 12
Herrick, L. B. † 3 *pa* Whittier
Herrick, R. M. 3 *c* Hartley
Herrick, Z. E. † 4 *pa* 419 W. 121
Herring, A. C. 2 *m*
509 Elm, Richmond Hill
Herrmann, A. F. 1 *m* 102 W. 85
Herrmann, A. L. † *ph*
1224 Union ave.
Herrmann, F. L. † 3 *pa* Whittier
Herrmann, G. J. 4 *c* 22 E. 95
Herrmann, S. † *ph* 147 W. 103
Herold, S. J. *nm c* 56 & Madison
Hershenstein, H. *phar* 98 Essex
Hershey, E. † 2 *pa*
17 Linden ave., Bklyn.
Hershkowitz, H. *ph* 201 Ave. B.
Herson, O. 4 *c* 256 Hewitt Pl.
Herstein, K. M. 2 *c*
1432–57, Bklyn.
Herzfeld, A. † 4 *b* 44 W. 126
Herzig, S. M. 1 *c* 525 West End ave.
Heslin, W. F., Jr. 1 *m*
1024 Bedford ave., Bklyn.
Hess, E. C. † 4 *pa*
150 Steuben, Bklyn.
Hesselbach, H. V. *gr ed* 414 E. 84
Hessler, E. E. † 2 *pa* Tenafly
Hetzel, F. C. 1 *m*

Heuermann, H. F. † *ph* Whittier
Heumann, E. I. † 2 *pa*
2478 Second ave.
Heuterkes, L. † 1 *b*
11 Abbott, Jersey City
Hewitt, E. W. † 2 *pa* 409 8, Bklyn.
Hewson, M. A. † *ph*
132 Remsen, Bklyn.
Heydecker, C. M. 2 *c* 558 W. 113
Heyman, B. 2 *j* 408 Manhattan ave.
Heyman, B. C. 4 *ed*
156 Sumner ave., Bklyn.
Heyman, F. † 1 *b* 521 W. 112
Heyman, M. 2 *s* 1887 Madison ave.
Heyman, M. † 2 *b* 521 W. 112
Heyn. O. P., Jr. 3 *l* Stapleton
Hickey, T. E. 2 *c* 538 W. 114
Hickman, J. N. K. *gr ed* 422 W. 115
Hickok, I. † 4 *b* 140 Decatur, Bklyn.
Hicks, K. † *nm ed* Whittier
Hiden, N. M. † *nm ed* 501 W. 121
Hiebel, T. † 2 *b*
58 Wallace, Newark
Hiemenga, J. J. 2 *c*
219 Myrtle ave., Passaic
Hiesel, J. † 4 *ed* P. S. 46
Higby, C. P. *pl* 29 Convent ave.
Higgins, F. C. † *ph* 24 Greene ave. Bklyn.
Higgins, G. H. 4 *c* Hartley
Higley, M. *pl* 174 Nassau, Bklyn.
Hilario, J. S. *nm m* 325 W. 58
Hilborn, R. † *ph* 46 W. 96
Hildebrand, H. E. 2 *s*
295 E. 4, Bklyn.
Hildenbrand, J., Jr. *nm p*
1446 Fifth ave.
Hildenbrand, S. M. † 1 *b*
1446 Fifth ave.
Hildreth, M. D. 2 *l* Livingston
Hill, A. D. † *p* 539 W. 112
Hill, B. G. † *nm ed*
1109 Amsterdam ave.
Hill, D. *nm l* 323 W. 87
Hill, E. A. † 4 *ed* 419 W. 119
Hill, J. J. *phar* Marlboro
Hill, J. M. *ph* 620 W. 116
Hill, K. L. † *pl* 501 W. 121
Hillas, M. † 4 *b* 607 W. 116
Hilliard, B. E. † 3 *pa* 505 W. 112
Hillman, W. 2 *c* 1361 Boston Rd.
Hills, J. A. *ph* Madison
Hilton, V. † 3 *pa* Whittier
Hinds, E. A. † 4 *ed* 418 W. 118
Hine, R. C. 4 *s* 520 W. 123
Hines, J. C. *gr ed* Livingston
Hines, J. S. † 4 *ed* 414 W. 118
Hines, T. A. 2 *c*
870 So. 15, Newark
Hingsberg, O. H. † *p* 1285 Hoe ave.
Hinshaw, D. S. 4 *j* 528 W. 113
Hirons, G. 1 *c* 131 W. 136
Hirsch, I. 4 *s*
256 Livingston, Newark
Hirsch, P. *phar*
267 Riverdale ave., Yonkers
Hirschensohn, N. † *ph* 370 W. 116
Hirschensohn, T. *ph*
521 Washington, Hoboken
Hirshfeld, S. 1 *m* 45 E. 82
Hirshfield, I. W. 1 *c* 1 W. 92
Hitti, P. K. *ph* 554 W. 114
Hobbs, K. S. 1 *c* 895 West End ave.
Hobby, B. † 1 *pa* 12 W. 131
Hoch, S. † 1 *b* Ward's Island
Hochette, H. E. 2 *s* 538 W. 114
Hochschild, G. † 4 *b*
565 West End ave.
Hochstadter, W. S. *nm c* Hartley
Hochstein, L. I. 3 *l* 30 E. 3
Hockert, J. R. 1 *l* 2040 Fifth ave.
Hodge, E. T. *p* 1043 E. 165
Hodgson, C. W. † *sp b*
333 Park Hill ave., Yonkers
Hochn, A. J. 1 *c* 471 W. 144
Hoermann, E. † 4 *ed*
1208 Bloomfield, Hoboken
Hoff, L. R. † 1 *pa*
29 Morris, Yonkers
Hoffman, E. M. † 1 *b* 525 W. 138
Hoffman, J. A. M. † 1 *b* 525 W. 138
Hoffman, L. C. † 3 *pa* 414 W. 120
Hoffman, M. D. 4 *c*
45 Elizabeth ave., Newark
Hoffman, P. E. † *pl* 307 W. 137
Hoffman, R. B. † 1 *pa*
45 Elizabeth ave., Newark
Hoffmann, A. 2 *l* 211 E. 18
Hoffmann, A. S. *pl* 211 E. 18
Hoffmann, J. *p* 534 W. 124
Hofheimer, G. M. † *nm b*
123 W. 126
Hofstein, S. *phar* 400 So. 3, Bklyn.
Hogan, O. † 3 *b* Whittier
Hoke, C. M. *p* Palisade
Holbeck, E. 1 *c* Port Chester
Holbrook, H. † 1 *b*
795 St. Nicholas ave.
Holbrook, H. L. *nm pa* 522 W. 123
Holbrook, H. S. † 1 *b* Brooks
Holbrook, L. † 1 *pa* Whittier
Holden, A. C. *a* 323 Riverside Dr.
Holden, B. A. † 4 *pa* 620 W. 122

Holder, R. E. *nm ph*
264 Cumberland, Bklyn.
Holinger, S. C. † 4 *pa* Whittier
Holland, D. † 1 *b* 134 W. 81
Holland, J. N. † *gr ed* 420 W. 116
Hollander, C. 1 *c* 125 W. 78
Hollingworth, L. S. † *gr ed*
417 W. 118
Hollmann, R. F. 4 *s*
488 Monroe, Bklyn.
Holloway, L. † 1 *b*
830 St. Nicholas ave.
Holmes, A. M. † *pl* 400 W. 118
Holmes, M. † 4 *ed* Whittier
Holst, W. A., Jr. 1 *c*
64 East ave., L. I. City
Holt, E. L. M. *a* 431 W. 117
Holt, G. C. *nm c* 39 Charles
Holt, S. C. † 1 *b*
414 So. Third ave., Mt. Vernon
Holte, M. † 4 *pa* Whittier
Holthusen, H. F. 4 *c*
684 Madison, Bklyn.
Holz, M. B. † *ph* 345 W. 70
Holz, S. † *nm ed* 345 W. 70
Holzinger, J. J. 4 *c* 430 W. 119
Holzman, A. *gr ed* 506–12, Bklyn.
Holzman, M. M. 4 *m* 623 W. 136
Holzwasser, F. † *p*
202 Riverside Dr.
Homan, A. P. 2 *j* 202 W. 103
Homan, G. † 1 *b*
171 St. Nicholas ave.
Homlet, H. 1 *c* 54 Manhattan ave.
Honeywell, M. † *gr ed* Whittier
Honigstock, D. 1 *c* 853 Beck
Honor, L. L. *gr ed* 54 E. 122
Hooker, S. † 1 *b* Brooks
Hooven, W. T., Jr. 2 *c* Tenafly
Hoover, A. L. † 4 *pa*
108 Morris ave., Summit
Hoover, E. D. † 4 *pa* 417 W. 120
Hoover, M. M. *ph* 417 W. 120
Hope, C. A. 1 *l* 301 W. 106
Hope, D. M. † 4 *pa* Whittier
Hopkins, E. A. † 4 *pa* 417 W. 120
Hopkins, E. B. † *pl* 122 E. 64
Hopkins, F. M., Jr. 1 *c*
326 Riverdale ave., Yonkers
Hopkins, J. W. 1 *c* 52 W. 84
Hopkins, M. M. † *p*
350 Washington ave., Bklyn.
Hopkins, T. W. *nm pa* Elizabeth
Hopson, E. F. † *gr ed* 501 W. 121
Hopton, L. A. † 1 *pa* Whittier
Horace, M. H. *gr ed* 410 W. 115
Horn, C. K. † *p* Whittier
Horn, G. † 1 *b* 210–2, Union Hill
Horowitz, E. N. † 4 *b* 211 W. 128
Horowitz, H. 1 *c* 517 W. 145
Horowitz, L. *phar* 173 Ave. A.
Horowitz, L. 3 *c* 288 So. 4, Bklyn.
Horst, M. *pl* 244 Spring
Horton, E. P. *phar*
279 High, Newark
Horton, J. A. 4 *s* 203 W. 106
Horton, K. E. † *nm b* 430 W. 118
Horton, W. S. 2 *m* 200 W. 100
Horvitz, A. *phar* 113 E. 96
Horwitz, M. *gr ed* 171 E. B'way
Hosteller, M. G. † 4 *pa* 414 W. 120
Hotchkiss, F. L. 3rd 1 *c* Rye
Hotchkiss, H. G. 2 *l* 59 W. 48
Hotchkiss, P. *phar*
107 Oak, Yonkers
Hough, G. A., Jr. *nm j* Furnald
Hough, H. B. 1 *j* Furnald
Hough, H. D. † *ph*
Hough, M. A. † *nm ed* 416 W. 118
Hough, J. W. † *ph*
53 Summit ave., Jersey City
Houlihan, M. A. † *gr ed* 180 W. 82
Houliston, C. E. † 3 *pa* 420 W. 116
House, N. C. *gr ed* 1 E. 53
Housman, L. † *gr ed* 10 E. 130
Houston, C. F. *a* 420 W. 119
House, F. E. † 4 *ed* 420 W. 119
Howard, J. E. 3 *s* 72 Purchase, Rye
Howe, H. L. † 3 *ed* Whittier
Howe, L. † 4 *b*
29 First ave., Mt. Vernon
Howe, M. A. † *nm pl*
468 Riverside Dr.
Howe, R. W. 2 *c* Hartley
Howell, F. M. † 4 *b* 527 W. 123
Howell, G. † 3 *pa*
9 Arlington Pl., Bklyn.
Howell, M. H. † *ph* 527 W. 121
Howell, S. I. 2 *s*
57 So. Clinton, E. Orange
Howes, L. *gr ed* St. Luke's Hospital
Howes, R. C. † 4 *pa* Whittier
Howkins, J. S. 1 *m*
Howley, C. P. 1 *m* 421 W. 34
Howry, H. H. 4 *s* 616 W. 113
Hoxsey, G. D. *pl* Chelsea Sq.
Hoyt, A. G. † *pl* 135 E. 52
Hsieh, Y. P. *pl* Hartley
Hsu, C. *pl* Hartley
Huang, T. M. 2 *c* 365 W. 117
Hubbard, B. † *p*
Hubbard, E. † 3 *b* 607 W. 116
Hubbard, F. M. *pl* Livingston

Hubbard, J. F. 2 *l*
96 Central ave., Tompkinsville
Hubbard, G. L. † 3 *b*
109-14, Flushing
Hubbard, M. † 3 *pa* 131 W. 94
Hubbard, M. G., Jr. 2 *l*
33 Convent ave.
Hubbell, H. J. † 2 *pa* 605 W. 156
Hubbell, J. B. *ph* Livingston
Hubbell, J. P. 3 *s* Garden City
Hudes, H. L. *phar* 827 Union ave.
Hudson, P. L. 1 *m* 14 W. 60
Huehne, K. † *nm ed* 2066 Fifth ave.
Huelsenbeck, A. L. 1 *c*
1065 Grove, Irvington
Huggins, W. N. *gr ed*
2311 Seventh ave.
Hughes, J. E. *gr ed* Furnald
Hughes, J. G., Jr. 1 *m*
Hughes, J. H. 3 *l* 633 W. 115
Hughes, M. † 3 *pa*
151 Court, Elizabeth
Hughes, M. F. † 3 *b*
43 Lake, Bloomfield
Hughes, W. M., Jr. 2 *c* Furnald
Huguenin, C. *ph* 430 W. 119
Huie, A. O. † 2 *b* 225 E. 31
Hull, L. M. † *p* Whittier
Hulskamp, M. † 3 *b* 544 W. 157
Hummer, E. C. † *ph* Grantwood
Hummer, H. M. † 4 *pa* 500 W. 122
Humroth, J. W. *pl*
726 St. Nicholas ave.
Hüneke, J. J. 2 *c*
706 Flushing ave., Bklyn.
Hunkins, C. J. *gr ed*
77 Hillside ave., Newark
Hunley, E. V. † 4 *b* 526 W. 173
Hunsaker, A. F. *pl* 433 W. 124
Hunsdon, E. C. † *pl*
87 Centre ave., New Rochelle
Hunt, D. P. 4 *ed*
811 St. Nicholas ave.
Hunt, E. R. † *ph* 519 W. 121
Hunt, K. † *gr ed* Mineola
Hunt, R. L. 2 *s*
329 Clifton Pl., Bklyn.
Hunter, A. H. 2 *l* Furnald
Hunter, H. M. *nm s*
25 Clifton Pl., Bklyn.
Huntington, E. C., Jr. Livingston
Huntington, G. H. *gr ed* Furnald
Huntington, J. † 2 *pa*
16 Lawrence, Yonkers
Huntington, K. E. † *nm pa*
186 Madison ave.
Huntington, R. T. 4 *j*
University Hghts.
Hurd, R. A. 4 *m* Stony Pt.
Hurlbut, C. A. † 4 *pa* 1159 Bklyn.
Hurley, B. † 4 *pa* 537 W. 121
Hurley, J. F. † 3 *pa* 503 W. 121
Hurley, J. J. *gr ed* 35 E. 72
Huston, A. T. 1 *c*
490 Riverside Dr.
Hutchings, M. I. † 1 *pa* Whittier
Huthsteiner, L. 1 *l* Furnald
Hutner, S. 1 *c* 1130 Union ave.
Hutton, A. D. † 3 *pa*
18 S. Burnett, E. Orange
Hutton, H. S. 3 *s* 616 W. 113
Huyler, W. C. 4 *c* Tenafly
Hwang, T. F. *pl* Furnald
Hyde, F. O. 1 *j*
Hyde, J. E. † 2 *pa* Whittier
Hyde, M. E. † *gr ed*
94 Hamilton Pl.
Hyman, C. 2 *c* 1134 Lexington ave.
Hyman, H. T. 4 *c* 515 W. 110
Hyman, M. 3 *l* 500 W. 114
Hyman, W. A. 3 *l* 500 W. 114
Hyndman, H. W. † *nm pl* 135 E. 52

Iaason, A. H. 4 *m*
729a Macon, Bklyn.
Ilgitzin, J. *phar* 106 E. 109
Iliff, J. G. *pl*
Ill, C. H. 1 *m*
188 Clinton ave., Newark
Ill, E. W. 2 *m* 336 W. 58
Illman, F. G. 1 *c* Hartley
Illman, M. G. † 1 *pa* Whittier
Ilsen, W. R. 4 *c*
52 Morningside Dr.
Imes, W. L. *pl* 600 W. 122
Immediato, P. J. *phar* 252 E. 203
Ingersoll, R. † *ph* Brooks
Ingham, M. † *ph* Whittier
Inglis, B. 4 *ed* 519 W. 121
Inglis, E. S. † 2 *pa* Whittier
Ingraham, F., Jr. 1 *l* Hempstead
Ink, K. S. † 3 *pa* 526 W. 114
Insinga, S. *phar* 102 E. 7
Irish, C. G. 4 *m* 506 W. 111
Irish, J. McC. *sp s* 420 W. 116
Irons, M. L. † *nm pa* 417 W. 121
Irving, M. S. † *nm ed* 416 W. 118
Isaac, G. *ph*
Isaacs, H. J. 2 *m* 1325 Madison ave.
Isaacs, M. † *gr ed* 10 W. 116
Isaacson, C. C. † *ph* 519 W. 121
Isabel, E. C. † *ph* 251 W. 98
Isenberg, B. † 1 *pa* Whittier

Israel, L. D. *phar*
1732 Madison ave.
Iwasawa T. † 4 *ed* Whittier
Iverson, M. C. 3 *s*
447-44, Bklyn.
Ivey, A. L. 3 *l* 540 W. 113
Ivins, C. P. 1 *c* Hartley

Jablonower, A. † 2 *b*
1390 Clinton ave.
Jaccard, L. † *ph*
126 Cleveland, Bklyn.
Jackson, D. C. 3 *pa*
215 Union ave., Yonkers
Jackson, E. C. 2 *s* 620 W. 116
Jackson, J. A. 3 *j* Furnald
Jackson, L. J. 2 *s* 240 E. 61
Jackson, L. M. † 4 *b*
505 Clinton ave., Bklyn.
Jackson, M. E. † 1 *b* 344 W. 72
Jacob, H. † 2 *pa* 777 West End ave.
Jacobs, A. W. 4 *m*
950 Ave. St. John
Jacobs, D. M. † 1 *b*
288 Linden ave., Bklyn.
Jacobs, E. R. 3 *l* 7 W. 114
Jacobs, H. L. 3 *s*
751 Greene ave., Bklyn.
Jacobs, J. *gr ed* 218 Henry
Jacobs, M. 3 *pa*
464 Ave. C, Bayonne
Jacobs, M. L. *gr ed*
456 Manhattan ave.
Jacobsen, B. † 4 *b*
182 Kearny ave., Perth Amboy
Jameson, W. B. M. *ph*
Hotel Marseilles
Jacobsen, W. H. 1 *c*
172 Rector, Perth Amboy
Jacobson, G. 2 *s*
1314 Boston Road
Jacobson, M. F. † *pl* 308 W. 73
Jacoby, J. H. † 3 *b*
285 Central Park W.
Jacowitz, H. 1 *c* 211 W. 135
Jaffe, W. M. *phar*
70 Hamburg ave., Paterson
Jagger, O. B. † 3 *pa* 505 W. 121
James, E. E. † 4 *pa* 414 W. 120
James, V. † 3 *pa*
79 Clifford ave., Pelham
Jameson, W. B. M. *ph*
Hotel Marseilles
Jamison, A. † 4 *b*
257 Clermont ave., Bklyn.
Janney, A. M. † *gr ed* Whittier

Jansen, W. *gr ed*
2233 Belmont ave.
Jaques, S. 4 *s* 429 W. 117
Jardine, B. W. † 3 *pa* Whittier
Jarvis, E. † 4 *pa*
45 Hamilton ave., Yonkers
Jarvis, K. A. † 3 *ed* 139 W. 97
Jarvis, V. † *ph* 435 W. 119
Jascalevich, A. *ph* Livingston
Jauss, R. B. 2 *s* 178 W. 82
Jeanneret, A. 3 *s* 565 W. 113
Jefferson, R. R. *ph* 121 W. 85
Jelinek, F. F. † *nm ed*
246 Manhattan ave.
Jenik, L. A. 1 *c*
133 Ferguson, Corona
Jenkins, A. U. † *gr ed*
716 E. 22, Paterson
Jenkins, F. † 4 *ed*
189 Claremont ave.
Jenkins, H. H. † 4 *b*
232 Madison ave.
Jenkins, I. N. 2 *l* Furnald
Jenkins, M. C. † *nm ed*
49 Claremont ave.
Jenks, A. F., Jr. 1 *l*
8 Pierrepont, Bklyn.
Jennings, A. D. *pl* 175 Ninth ave.
Jennings, E. J. *pl* 175 Ninth ave.
Jennings, F. B., Jr. 1 *c*
86 Park ave.
Jennings, H. † 1 *b*
413 Hillside ave., Jamaica
Jennison, F. C. † 2 *pa* Whittier
Jensen, R. † 2 *b* 2337 Webster ave.
Jerome, W. T., Jr. 3 *l*
611 Cathedral Parkway
Jerskey, A. 4 *m* 16 W. 119
Jesserand, L. P. *a* Furnald
Jessup, E. C. 3 *m* 421 W. 57
Jewett, C. H. 3 *m* Livingston
Jewett, F. W. 3 *c*
14 Morningside ave.
Johann, N. E. † *p* 446 E. 170
Johanson, A. M. 3 *c*
730 Crawford ave.
Johanson, F. O. 2 *c* 513 E. 176
John, G. H., Jr. 3 *s*
2702 Bainbridge ave.
Johnson, A. A. *ph* 315 W. 121
Johnson, A. E. † *nm ed*
21 Grant, Morristown
Johnson, A. G. † 4 *pa* Whittier
Johnson, B. † 2 *b*
2215 Ave. Q, Bklyn.
Johnson, E. A. *gr ed*
247 Hopkins, Bklyn.

Johnson, F. E. *ph* 463 W. 44
Johnson, G. S. 1 *c* 550 W. 114
Johnson, H. F. 4 *m* 307 W. 70
Johnson, H. G. D. † *nm ed* 438 W. 116
Johnson, J. † 1 *b* Spuyten Duyvil
Johnson, J. W. 4 *s* 601 W. 148
Johnson, K. B. † 1 *pa* 414 W. 121
Johnson, M. † *gr ed* 510 W. 124
Johnson, M. E. † 3 *pa* 527 W. 121
Johnson, P. B. 3 *m* 130 W. 104
Johnson, R. K. 4 *m* 9 E. 10
Johnson, S. E. † 1 *pa* Whittier
Johnson, V. *phar* 171 Carroll, Bklyn.
Johnson, W. 4 *ed* Hartley
Johnson, W. McK. *nm c* Livingston
Johnson, S. T., Jr. 3 *s* 523 W. 123
Johnson, T., Jr. 2 *s17-3,* Woodside
Johnston, D. W., Jr. *pl* Livingston
Johnston, E. K. † 2 *pa* 1272 Boston Road
Johnston, J. E. † 3 *pa* 400 W. 118
Johnston, M. L. † *ph* 68 Kingsland ave., Elmhurst
Johnston, W. S. 4 *c* 542 W. 112
Jonas, B. G. *phar* 455 E. 179
Jonas, S. S. B. † 3 *b* 515 Cathedral Parkway
Jones, A. L. † 4 *b* 607 W. 116
Jones, B. S. † *nm pa* 99 So. Lexington ave., White Plains
Jones, D. C., Jr. 2 *l* 747 Salem Road, Elizabeth
Jones, E. B. † *pl* Sloatsburg
Jones, F. W. *pl* Livingston
Jones, H. D. † 1 *b* 45 E. 92
Jones, H. E. † 3 *pa* 113 Hawkhurst ave., Weehawken
Jones, H. F. W. † 4 *pa* Whittier
Jones, J. C. *pl* Livingston
Jones, J. W. L. *ph* 401 W. 118
Jones, N. R. † *gr ed* 501 W. 120
Jones, P. D. † 3 *pa* Whittier
Jones, P. F. 3 *j* Furnald
Jones, R. A. † 4 *ed* 500 W. 122
Jones, V. L. 3 *s* 531 W. 113
Jones, W. H. *a* 81 Morton, Bklyn.
Jordan, A. G. † 4 *b* 126 W. 102
Jordan, H. R. *phar* 181 Congress, Jersey City
Joseph, E. G. 3 *l* 530 Manhattan ave.
Joseph, K. † 1 *pa* 3 Zabriskie, Jersey City
Joseph, L. W. 1 *c* 600 W. 116
Joseph, L. W. 1 *c* 617 W. 113
Joseph, P. E. 3 *s* 319 W. 116
Josephson, A. † 1 *b* 1330 Franklin ave.
Josephson, E. M. 2 *m* 1330 Franklin ave.
Journeay, H. † 4 *b* 144 Prospect, Bklyn.
Joveshof, A. 4 *s* 258 W. 136
Joyce, M. M. † *pl* 258-85, Bklyn.
Judson, R. E. † *gr ed* 130 Claremont ave.
Justin, M. † 4 *pa* Whittier

Kaesmann, H. C. *phar*
Kahn, B. *phar* 27 St. Marks Pl.
Kahn, C. L. 2 *c* 941 Tiffany
Kahn, D. † 1 *b* 1967-62, Bklyn.
Kahn, H. 2 *c* 241 W. 112
Kahn, J. 1 *j* 53 E. 86
Kahn, K. † 2 *b* 53 E. 86
Kahn, P. *phar* 1784 Madison ave.
Kahn, R. L. 2 *m* 60 S. Main, Freeport
Kahn, S. 1 *c* 850 Park ave.
Kahn, S. 3 *m* 1056 Hoe ave.
Kaiser, C. H. *pl* Hartley
Kalb, A. O. *nm c* 400 E. Houston
Kalsch, F. J. *phar* 679 Monroe, Bklyn.
Kalt, H. L. 1 *c* 124 E. 64
Kaltman, D. L. *phar* 2030 Richmond Ter., Port Richmond
Kandel, M. 1 *c* 77 Second ave.
Kane, D. C. 3 *s* 469-47, Bklyn.
Kane, E. A. *gr ed* 248 W. 137
Kane, F. L. † 2 *pa* 148 Heyward, Bklyn.
Kane, H. S. 1 *c* 419-47, Bklyn.
Kane, R. F. 2 *c* 213 Boerum, Bklyn.
Kaneko, G. J. *nm l* 330 E. 57
Kannengieser, M. 4 *s* 101 W. 113
Kannopky, R. † 2 *b* 536 Decatur, Bklyn.
Kaplan, H. *pl* 1793 Madison ave.
Kaplan, H. *phar* 397 E. 8
Kaplan, J. *ph* 531 W. 123
Kaplan, L. 1 *c* 412 E. 58
Kaplan, M. *pl* 1708 Pitkin ave., Bklyn.
Kaplow, R. † *phar* 241 E. 45

Kapplow, M. L. *phar*
925 Union ave.
Kaps, C. E. † 4 *ed* 421 W. 118
Karajian, H. A. *p* 340 W. 123
Karr, L. E. † 2 *b*
822 DeGraw ave., Newark
Karsten, K. G. *nm l* Furnald
Kashden, H. A. 3 *c*
788 Flatbush ave., Bklyn.
Kassell, M. 2 *c*
532 Willoughby ave., Bklyn.
Kastanek, R. *pl* 600 W. 122
Katayama, J. Y. 3 *pa* 609 W. 127
Kates, G. N. 2 *c*
Gramatan ave., Mt. Vernon
Katz, H. A. 2 *c*
2090 Dean, Bklyn.
Katz, J. *ph* 60 Henry
Katz, J. F. 3 *l* 76 W. 82
Katz, M. † *pl*
736 Greene ave., Bklyn.
Katz, M. J. *p* 20 E. 97
Katz, S. E. 1 *c* 53 Mercer
Katz, W. 1 *c* Furnald
Katz, Y. † 2 *b*
736 Greene ave., Bklyn.
Kaufman, A. J. 1 *c*
511 Willoughby ave., Bklyn.
Kaufman, J. 2 *m*
444 Stone ave., Bklyn.
Kaufman, J. B. *phar*
776 Melrose ave.
Kaufman, L. D. 1 *c* 132 W. 104
Kaufman, R. *ph* 11 E. 108
Kaufman, S. 2 *l* 430 W. 118
Kaufman, S. *pl*
129 Wickliffe, Newark
Kauffman, H. *pl* 600 W. 122
Kearney, L. I. 4 *ed* 157 E. 39
Keasnow, F. † 2 *b*
46 So. 9th, Bklyn.
Keating, J. J. 2 *m* 684 E. 226
Keating, R. 495 West End ave.
Keator, M. † *gr ed* Whittier
Keck, D. † 1 *b* Flushing
Keegan, G. † 1 *b*
140th & Riverside Dr.
Keeler, H. L. 1 *l* 101 W. 78
Keeler, L. † 1 *b* 500 W. 122
Keen, J. H. *ph* Livingston
Keenan, E. T. *phar*
2170 University ave.
Keep, A. B. *pl* Livingston
Keith, M. C. † 4 *ed* 414 W. 121
Kelleher, C. 3 *s*
1061 No. B'way, Yonkers
Keller, H. H. † *ph*
1522 Bryant ave.
Kelley, A. E. † *gr ed*
207 Park Pl., Bklyn.
Kelley, E. † 4 *b*
20 Sidney Pl., Bklyn.
Kelly, E. L. † *gr ed*
Kellner, M. J. † 3 *b*
1538 Union, Bklyn.
Kellogg, C. L. *pl* 415 W. 118
Kellogg, M. P. S. *nm ed*
105 E. 22
Kelly, A. M. † 2 *pa* Whittier
Kelly, E. G. † *ph*
135 Hamilton Pl.
Kelly, K. † 3 *ed* 512 W. 123
Kelly, L. † 4 *b* Brooks
Kelly, L. A. *gr ed* 225 W. 135
Kelly, L. F. † *ph* 121 & B'way
Kelly, M. † 3 *b* Brooks
Kelly, T. D. 1 *m* 357 W. 57
Kelly, T. P. *pl*
1713 Castle Hill ave.
Kelly, W. J. 2 *j* Furnald
Kelsey, S. E. *ph* 600 W. 122
Kemble, M. † *ph* Whittier
Kemmerer, M. † *pl* Whittier
Kemp, A. B. † *gr ed* Whittier
Kemp, E., Jr. *phar* 41 W. 54
Kemp, E. L. † 4 *ed* 523 W. 122
Kemp, J. T. 3 *s* 211 W. 139
Kemp, P. K. 4 *c* 211 W. 139
Kemp, R. M. 3 *j*
601 Cathedral Pkwy.
Kemp, W. C. B. *pl* Furnald
Kempf, N. W. F.
114 Bleecker, Newark
Kempner, A. H. 1 *c* 252 W. 130
Kempton, E. M. † *gr ed*
9 Van Cortlandt Pk. ave., Yonkers
Kempton, I. † 3 *ed*
9 Van Cortlandt Pk. ave., Yonkers
Kendall, G. V. *ph* Furnald
Kendrick, E. † *nm pa*
205 Puritan ave., Forest Hills
Kennard, G. † 2 *b* Tarrytown
Kennard, R. B. 3 *s* Tarrytown
Kennedy, A. M. *nm j* Hartley
Kennedy, A. T. *phar*
2129 Madison ave.
Kennedy, D. E. 1 *c*
481 Sixth ave.
Kennedy, D. S. 4 *j* Livingston
Kennedy, J. C. *pl*
762 Willoughby ave., Bklyn.
Kennedy, M. B. † *pl*
1024 Hudson, Hoboken

Kennedy, M. L. † *ph* 547 W. 123
Kennedy, O. I. † 1 *pa* Whittier
Kennedy, P. A. 4 *ed*
137 Garfield Pl., Bklyn.
Kennerly, M. M. † *p* 230 W. 101
Kenney, I. R. *phar*
Kenny, J. J. 4 *m*
Kent, H. † 2 *b* 44 W. 100
Kent, S. L. 2 *c*
616 Carlton ave., Bklyn.
Kenvin, T. B. 3 *s* 429 W. 117
Kenyon, F. † 1 *b*
420 Riverside Dr.
Kenyon, G. R. 2 *l*
924 West End ave.
Keogh, R. E. 1 *c*
338 Pelham Rd., New Rochelle
Ker, D. 1 *c* 430 W. 119
Kerivan, H. M. † *nm pa*
83 Hamilton Pl.
Kervy, C. E. † 4 *b* Brooks
Kern, F. R. † 4 *ed* 537 W. 121
Kern, M. 2 *c* 242 W. 122
Kerr, F. J. 1 *c* Edgewater
Kersey, P. J. 4 *pa* Furnald
Kesser, J. 1 *j* Highwood
Ketcham, C. B. *ph* Madison
Ketcham, H. † 2 *b*
60 Ravine ave., Yonkers
Ketchum, B. L. † *pl* Nyack
Ketels, L. H. *pl*
267 Chadwick ave., Newark
Keyes, R. K. *ph*
27 Monroe, Bklyn.
Keys, E. M. † 4 *ed*
69 High, Yonkers
Kidd, G. † 2 *b* 512 W. 172
Kidd, M. † 2 *b* Brooks
Kieffer, G. L. *pl* 600 W. 122
Kieffer, H. A. † 4 *ed* 414 W. 120
Kieran, K. † *p*
3150 Kingsbridge Ter.
Kilborn, R. C. *a*
48 Prospect Dr., Yonkers
Kilbourne, K. A. 3 *s* 538 W. 114
Kilburn, H. T. 2 *c* 202 W. 74
Kilby, K. † *gr ed* Whittier
Killian, J. A. *p*
Fordham University
Killough, W. H. 3 *c* 513-4, Bklyn.
Kilroe, J. C. 1 *c*
408 Manhattan ave.
Kilts, E. L. † *nm ed* Whittier
Kim, T. S. *gr ed* 200 W. 105
Kimball, L. F. 2 *c*
1115 Park Pl., Bklyn.
Kimm, W. I. 4 *c* Hartley
King, E. H. † *ph*
297 Tyerson, Bklyn.
King, F. 2 *s* 326 W. 107
King, G. 3 *c* 64 W. 51
King, H. B. 4 *s* 618 W. 113
King, J. W., Jr. *phar*
292 Pavonia ave., Jersey City
King, L. H. *gr ed* 503 W. 121
King, M. † 3 *b* 1465-51, Bklyn.
King, M. G. † *gr ed* 503 W. 121
King, R. F. *a* 139 Lexington ave.
King, V. L. † *gr ed*
1679 Gates ave., Bklyn.
Kingsbury, H. W. *gr ed*
Woodhaven
Kingsbury, J. H. *gr ed* Furnald
Kinley, C. † 3 *pa* 501 W. 121
Kinnan, M. E. 2 *l*
439 West End ave.
Kinnears, H. C. *ph* 208 W. 69
Kinney, J. A. 4 *c* 24 W. 59
Kinsworthy, B. S. 2 *l* Livingston
Kirchwey, F. † 4 *b*
800 Riverside Dr.
Kirkland, K. S. *phar*
Kirkpatrick, C. W. *ph* 30 E. 31
Kirkwood, T. C. *phar* 208 W. 69
Kirsch, L. *p* 514 W. 136
Kirschner, W. L. *nm c* 80 W. 82
Kirsh, B. 1 *c* 123 W. 118
Kirtley, C. R. 1 *l*
730 Riverside Dr.
Kirwan, A. J. 1 *c* 118 W. 88
Kirwan, H. † 2 *b* 83 Hamilton Pl.
Kisch, E. H. † 4 *pa* Palisade
Kister, F. A. 2 *l*
W. 8, Coney Island
Kladivko, H. 2 *s*
404 Ninth ave., L. I. City
Kladivko, L. † 1 *b*
404 Ninth ave., L. I. City
Klasky, L. H. † *ph*
540 Manhattan ave.
Klauberg, M. J. † 1 *pa* 164 W. 79
Klausner, D. M. 3 *c*
401 Hoboken ave., Jersey City
Klausner, I. † 1 *b*
1218 Van Alst ave., Astoria
Kleban, M. 4 *c* 1800 Seventh ave.
Kleiman, M. 1 *c* 145 Sands, Bklyn.
Klein, A. J. *pl* 421 W. 118
Klein, E. 4 *m* 415 E. 5
Klein, H. 2 *s* 360 Beekman ave.
Klein, H. † *ph* 137 W. 119
Klein, H. S. *phar* 525 E. 157
Klein, I. 3 *j* 1482 So. Blvd.
Klein, K. F. 3 *s* 517 W. 124

Klein, L. *ph* 137 W. 119
Klein, P. *pl* 265–7
Klein, S. 2 *c* 1267 Fifth ave.
Klein, S. H. 2 *s*
1271 Myrtle ave., Bklyn.
Kleiner, F. † 1 *pa*
14 E. Morningside ave.
Klenke, E. L. † 1 *b*
New Rochelle
Klenke, F. M. 2 *s* 1165 Park ave.
Kleinknecht, K. † *nm ed*
500 W. 122
Kleppner, V. † *phar* 515 W. 147
Kliatshev, L. G. † 1 *b* 232 Henry
Kliem, E. L. † *nm pa*
170 St. James Pl., Bklyn.
Kligler, I. J. *p* 824 E. 165
Kline, H. J. 1 *j* 514 W. 114
Kline, H. J. *gr ed* Arverne Sta.
Kline, M. D. † 1 *b*
16 Marion, Nyack
Kling, D. C. † 3 *ed*
480 McDonough, Bklyn.
Klingele, C. P. *phar* Stapleton
Klingenstein, P. 1 *c* 102 E. 79
Klingenstein, P. H. 4 *c* 136 E. 79
Klopfer, E. † 3 *b* Hotel Ansonia
Kloss, A. M. † 1 *b*
90 Albion Pl., Pt. Richmond
Klugescheid, W. P. 3 *s*
616 W. 113
Klupt, A. E. 2 *s*
995 Jefferson ave., Bklyn.
Knapp, C. M. *pl* 627 W. 113
Knapp, E. V. † 3 *ed* 511 W. 130
Knapp, H. E. † 3 *pa* Buchanan
Knevitt, C. H. *phar* Larchmont
Kniazewitz, A. *phar* 215 Berry
Knickerbocker, W. S. 1 *c*
360 W. 119
Knight, D. † 1 *pa* 3645 B'way
Knight, E. E. † 3 *pa* 515 W. 122
Knight, G. † *nm pa* Whittier
Knight, S. H. *p*
Knobloch, G. H. 1 *c*
78 Bay 17, Bklyn.
Knopf, S. H. 4 *s* 774 Union ave.
Knopp, M. † *nm ed* 510 W. 124
Knowles, E. B. † 3 *pa* Whittier
Knowles, F. T. *gr ed* 584 W. 152
Knox, E. M. † 3 *ed* 500 W. 122
Knox, J. P. 2 *c* 422 E. 144
Knox, L. W. 1 *c*
243 Washington, Glen Ridge
Knuth, H. G. *pl* 600 W. 122
Koch, E. H., Jr. *p*
874 So. 15, Newark
Koch, G. T. 1 *c*
53 Lincoln ave., Grantwood
Koch, M. † 2 *b*
17 Bergen Pl., Jamaica
Koenig, H. † 1 *b*
271 Carroll, Bklyn.
Kohn, A. Z. *a* 1842 Seventh ave.
Kohn, C. † 3 *b* 107 W. 120
Kohn, I. N. † *ph* 1239 Boston Rd.
Kohn, J. 2 *m* 107 W. 120
Kohout, O. *phar* 449 E. 78
Kojima, S. *ph* 175 Ninth ave.
Kolshorn, H. † 4 *pa* 523 W. 121
Konarski, M. M. *a* 370 W. 120
Kong, A. F. † 4 *b* Brooks
Konovitz, L. M. † *sp b*
794 Jennings
Koons, D. R. 1 *l* Hartley
Kopp, L. D. † 3 *pa*
53 So. 9, Newark
Korkus, E. F. 2 *c*
193 Tompkins ave., Bklyn.
Korns, C. H. *gr ed* Livingston
Kornsand, E. S. 3 *c*
1229 Park ave.
Korobow, A. 1 *pa*
248 Union ave., Bklyn.
Kosik, G. 1 *l*
364 Bergen, Newark
Koss, G. † *sp b* 852 Union, Bklyn.
Koss, I. G. *pl*
628 West End ave.
Kotinsky, M. † *pl* 787 E. 185
Kowarsky, L. 1 *c*
713 Lafayette ave., Bklyn.
Kozakevitz, L. *phar*
2323 Westchester ave.
Kraeling, C. H. 1 *c*
132 Henry, Bklyn.
Kramer, B. S. 4 *m*
1459 Madison ave.
Kramer, E. P. † *ph* 47 E. 88
Kramer, F. V. † *nm p*
1509 Eastern Pkway., Bklyn.
Kramer, J. L. *phar* 210 E. 114
Kramer, K. † *gr pharm*
723 Ninth ave.
Kramer, R. 1 *m* 1871 Seventh ave.
Kramer, R. L. *p* Livingston
Krandle, H. M. 3 *c*
435 Sackman, Bklyn.
Kranowitz, W. C. 1 *c* Hartley
Kraus, D. 1 *l* 1452 Second ave.
Kraus, E. 2 *s* 77 W. 85
Kraus, F. 2 *c* 508 E. 89
Kraus, W. F. 4 *s* 508 E. 89
Krause, E. † 4 *b* 260 W. 72

Krause, G. † 2 *b* 260 W. 72
Krauter, C. H. † 3 *pa* Bloomfield
Kraybill, D. B. *gr ed* 422 W. 115
Krechevsky, M. *phar* 484 Grand
Kreiner, L. M. † *ph*
224 Broad, Newark
Krellenstein, R. † 3 *pa*
969 Trinity ave.
Kretzmer, J. L. 2 *s* 552 W. 184
Kreutzer, L. G. 1 *c*
1838 Gleason ave.
Kreykenbohm, C. † *gr ed*
7 Wallace ave., Mt. Vernon
Krier, D. A. † 4 *b*
267 Fenimore, Bklyn.
Krinske, C. J. *phar*
1704 Lexington ave.
Krinsky, H. † 4 *b*
88 Elliott ave., Yonkers
Krno, J. M. 2 *s*
696 Bedford ave., Bklyn.
Krogev, F. H. *p* 6 Martense, Bklyn.
Krolfifer, J. F. *pl* 57 W. 124
Krouse, B. A. *phar*
184 Passaic, Passaic
Kroser, C. *phar* 33 Market
Krulewitch, M. L. 2 *c* 422 W. 122
Krumgold, S. *nm c*
48 Van Ripen ave., Jersey City
Ku, C. M. *p* Furnald
Kuang, Y. C. *p* Livingston
Kubie, D. L. † 4 *ed* Far Rockaway
Kuchar, J. J. 3 *s* 341 E. 73
Kudlich, L. † 2 *pa* Whittier
Kudlich, R. † *gr ed* 104 W. 87
Kuh, E. † *nm b*
587 Riverside Dr.
Kuhn, I. R. 3 *m* 1189 Boston Rd.
Kuki, B. I. *pl* 180 Claremont ave.
Kümmerle, H. M. *gr ed* 538 E. 142
Kümmerle, K. E. † *ph* 538 E. 142
Kunhardt, K. 1 *c* 124 W. 74
Kupfer, M. P. 3 *c* 71 E. 96
Kupfer, W. S. *ph* 20 Greene
Kupferstein, J. T. 3 *s*
8661 Bay 36, Bklyn.
Kurtz, J. 2 *c* 78 Ludlow
Kurzrok, R. 1 *c*
38 Thadford ave., Bklyn.
Kuschke, J. L. *ph* 558 W. 113
Kuttner, A. † 4 *b* 501 W. 113
Kuykendall, C. P. 1 *c* Furnald
Kuykendall, R. B. 1 *l* Furnald
Kwong, H. K. *pl* Furnald

La Barre, N. E. 1 *c*
2046 Washington ave.
Lacazette, A. A. 4 *s* 237 W. 107
Lachmann, H. R. † 4 *b* 420 W. 121
Lackey, J. B. *pl* Furnald
Lackey, W. T. 1 *l* 540 W. 113
Lackwood, L. A. † *gr ed*
414 W. 118
La Corte, S. F. 2 *l*
623 Third ave., Elizabeth
Lacy, P. S. *a* 411 W. 115
LaDanie, M. † *gr ed* 129 E. 10
Ladd, W. S. 4 *m* 260 W. 72
Lady, C. H. 2 *c* 534 W. 124
La Fountain, M. A. † 2 *b*
176 James, Hackensack
LaGrange, E. † 4 *pa* 420 W. 119
Laguardia, C. G. B. 3 *c* 439 E. 118
Laguardia, G. *ph* 439 E. 118
Laguardia, G. B. 4 *s* 439 E. 118
Lahey, R. W. 1 *c*
66 Orange, Bklyn.
Laird, J. A. 1 *l*
14 Mt. Morris Park W.
Laird, M. F. † 3 *pa* 174 W. 109
Lake, D. B. *p* 486 W. 136
Lam, I. C. 3 *ed* Furnald
Lamade, G. R. 2 *c* 538 W. 114
Lamb, D. W. 1 *c*
434 Riverside Dr.
Lamb, H. A. 3 *c* 434 Riverside Dr.
Lambert, E. † 4 *b*
47 and Fifth ave.
Lambert, N. D. 3 *s* 295 Wyona
Lambert, W. T. 4 *c*
305 Lafayette ave., Bklyn.
Lamont, E. K. † *nm pl* 2 W. 53
Lamothe, A. P. † *gr ed* 132 E. 87
Lamson, J. R. † 1 *pa* Whittier
Lancaster, A. H. † *gr ed* Whittier
Lancaster, N. † 4 *ed* 519 W. 121
Landau, M. 2 *s* Leonia
Landau, M. S. 2 *j* 95 W. 119
Landie, M. † 3 *pa* 414 W. 118
Landiene, M. A. † 3 *pa* Maywood
Landman, M. † *phar* 143 Ave. B.
Landreth, H. A. † 1 *pa* Whittier
Landsman, M. J. *pl* 21 W. 111
Landsman, S. M. *phar* 17 Suffolk
Landy, G. *pl* 11 Attorney
Lane, L. B. 2 *s* 540 W. 113
Lane, M. † 3 *j* Brooks
Lang, C. C. † 1 *pa*
414 Grand ave., Leonia
Lang, F. R. *pl* Hartley
Lang, I. † *gr ed* 1801 Seventh ave.
Langdon, A. C. † 2 *pa* Whittier
Langdon, A. N. 1 *c* 618 W. 113

Lange, H. W. 1 *c*
2 Chester ave., White Plains
Lange, W. 3 *s* 336 Convent ave.
Langenhan, H. O. *nm a* Furnald
Langhorne, J. F. *nm pl*
175 Ninth ave.
Langley, H. W. *nm l* Tarrytown
Langman, H. *p*
417 Elton, Bklyn.
Langthorn, J. S., Jr. 2 *c* Hartley
Langton, W. S. *p* 11 W. 126
Langworthy, H. W. *gr ed*
Cornwall-on-Hudson
Lanning, I. M. † *gr ed* Whittier
Lantz, G. M. † 4 *pa* 3131 B'way
Lanza, J. N. *phar* 203 Prince
Lanzetta, J. J. 2 *s* 318 E. 116
Lapham, M. D. † 4 *ed* Whittier
Lapolla, M. L. 1 *c* 29 W. 129
Larabie, L. 1 *j* 86 and B'way
Larossa, A. *phar* 230 Mott
Larremore, T. A. 3 *l* 324 W. 103
Larsen, S. † 3 *pa* 269 W. 12
Larson, C. G. *phar*
Lasher, J. K. 2 *l* 627 W. 115
Lasher, W. W. 4 *m*
827 Lexington ave.
Lashman, L. E. 4 *ed* 547 W. 123
Lasker, L. D. † *pl* Hotel Savoy
Lasswell, A. C. *gr ed*
392–15, Bklyn.
Latalle, D. M. † 2 *pa* 612 W. 115
Latham, M. E. † *p* Brooks
Latham, M. L. † *p* 512 W. 123
Latham, M. W. *ph* 401 W. 118
Lathrop, A. S. 1 *c* 39 Charles
Latimer, J. † 4 *ed* 501 W. 121
Latour, C. C. 1 *c*
1321 Franklin ave.
Lattman, I. *phar*
1493 Madison ave.
Lattman, J. 2 *m*
1493 Madison ave.
Lattman, M. *phar*
1493 Madison ave.
Laub, C. G. 1 *pa*
119 Rogers ave., Bklyn.
Laube, H. D. *pl*
26 Madison ave., Jersey City
Lauber, H. C. 4 *s* 608 W. 113
Laughlin, R. † 3 *j* 53 Washington Sq.
Lauterbach, B. † *pl* 205 W. 103
Lavine, R. B. † *p* 352 W. 117
Law, C. E. † 4 *pa*
444 So. Second ave., Mt. Vernon
Lawler, J. R. 2 *s* 627 W. 113
Lawrence, D. † 1 *pa* Whittier
Lawrence, F. C. † *nm ed*
541 W. 123
Lawrence, G. W. *pl* 600 W. 122
Lawrence, R. † 2 *b*
599 Bedford ave., Bklyn.
Lawson, L. A. *pl* Kenilworth
Lawton, L. H. S. † 4 *pa*
512 W. 123
Lawton, M. F. *pl* 2255–83, Bklyn.
Lax, H. *ph* 71 Ave. D
Layton, S. G. 1 *m*
Lazarus, A. *ph*
293 Knickerbocker ave., Bklyn.
Lazarus, E. M. *gr ed* Livingston
Lazarus, J. A. 2 *m* 75 E. 119
Lazarus, S. M. 3 *l* Furnald
Lazerson, M. 1 *m* 12 W. 117
Leary, D. B. *gr ed*
90 Morningside Dr.
Leary, W. D. *nm j* 36 W. 97
Leavens, D. H. *p* Furnald
Leavitt, P. B. 1 *c* 129 W. 88
Le Cocq, M. L. † *pl* 407 W. 117
Le Comte, H. *gr ed* 213 W. 130
Leder, I. 1 *c* 101 Delancey
Lederman, M. † 2 *b*
640 Riverside Dr.
Leding, R. H. 2 *c*
59 Union, Ridgewood
Le Duc, A. de L. † *ph* 526 W. 114
Lee, A. C. † *gr ed* Lynbrook
Lee, C. † *gr ed* 206 E. 16
Lee, E. † 1 *pa* 456 W. 141
Lee, E. A. *gr ed* 102 Convent ave.
Lee, E. D. † *nm b* 423 W. 120
Lee, E. J. *ph* 281 Fourth ave.
Lee, H. R. *a* 551 West End ave.
Lee, J. C., Jr. 3 *c* 248 W. 127
Lee, M. † 2 *b* 53 Bayard
Lee, P. R. *ph* 105 E. 22
Lee, R. L. *phar*
115 Linden ave., Middletown
Lee, T. L. 3 *c* 106 W. 109
Lee-Bron, H. *pl*
Leede, H. E. H. 2 *c*
201 Madison ave., Tompkinsville
Leerburger, B. A. 1 *c*
320 Central Park W.
Leet, D. F. † 2 *b* 409 W. 129
Leet, H. † 2 *b* 409 W. 129
LeFevre, I. J. 4 *pa* Livingston
Leffer, M. M. *phar*
1497 Madison ave.
Lefferts, G. 1 *l* 39 W. 55
Leffingwell, E. T. † 1 *pa*
716 Valley Road, Montclair
Lefkowitz, F. 1 *c* 154 Delancey

Lefler, M. R. 3 *ed*
187 Brighton ave., Perth Amboy
Legate, A. F. † 4 *pa*
687 E. 26, Paterson
Leggett, J. D. *nm pl*
148 Arnold, New Brighton
Leggett, T. H., Jr. 3 *m*
427 E. 7, Plainfield
Lehman, E. 1 *m* 638 W. 160
Lehman, H. 1 *c* 1919 Seventh ave.
Lehman, R. A. *phar* Tottenville
Leigh, R. *pl* 175 Ninth ave.
Leigh, R. D. *gr ed*
809 St. Nicholas ave.
Leighton, L. E. 1 *c* 118 E. 88
Lein, P. † *phar*
552 Palisade ave., Jersey City
Leiner, J. *p* 155 Audubon ave.
Leiper, H. S. *ph* 600 W. 122
Lemelson, J. 1 *c*
666 Bay, Stapleton
Lemkan, J. H. *pl* 320 E. 55
Lemmon, W. S. 2 *s* 319 W. 94
Lemon, E. † 3 *pa* Whittier
Lemon, M. A. † 4 *ed* Whittier
Lemon, W. P. *ph* 600 W. 122
Lena, F. T. *pl*
10 Livingston ave., Yonkers
Lenihan, M. M. † 3 *pa* Laurel Hill
Lennan, F. † 1 *b*
So. B'way, Hastings-on-Hudson
Lenney, J. J. *pl* 619 W. 127
Lennon, M. E. † 2 *b*
So. B'way, Hastings-on-Hudson
Lent, H. D. 2 *l*
Sagamore Rd., Tuckahoe
Lent, M. † 1 *b*
199 No. B'way, Yonkers
Lenz, G. J. *ph* 422 W. 115
Leonard, A. M. † 3 *pa* 400 W. 118
Leonard, B. F. 4 *c* 435 W. 117
Leonard, C. F. 4 *c*
35 Murray, Flushing
Leonard, E. † *nm pa*
110 Morningside Dr.
Leonard, E. † 4 *pa* 19 W. 120
Leonard, E. G. † 1 *pa*
630 E. 22, Bklyn.
Leonard, J. R. 1 *c* 132 W. 4
Lerner, A. *phar*
34 Osborne, Bklyn.
Le Roy, G. † *nm b* 103 E. 75
Lesch, G. T. † *pl*
2819 Creston ave.
Leshensky, H. W. 306 E. 119
Lesher, R. A. *pl* Furnald
Leslie, E. H. *p*
Leslie, R. 1 *c* 538 W. 114
Leslie, W. H. *nm s* 154 W. 106
Lester, C. W. 1 *m*
Letts, I. L. 1 *l* 106 W. 94
Leuch, E. A. † 3 *ed* 64 Downing
Leung, P. 1 *c* Livingston
Levi, E. N. † 1 *b* 313 W. 81
Levi, H. R. 1 *m*
1934 E. Pkwy., Bklyn.
Levi, R. † 4 *b* 925 West End ave.
Levie, M. J. 2 *c* 200 W. 111
Levin, H. 2 *c* 41 Main
Levin, J. J. 1 *c* 115 W. 114
Levin, N. *phar* 189 E. 100
Levine, H. *gr ed*
1209 Prospect, Bklyn.
Levine, H. P. *pl*
344 Christopher ave., Bklyn.
Levine, I. B. 3 *c*
456 Marcy ave., Bklyn.
Levine, J. 2 *c* 51 Osborne, Bklyn.
Levine, M. 1 *c*
48 Academy, L. I. City
Levine, M. *phar* 741 Jennings
Levine, M. H. 1 *m* 9 E. 107
Levine, S. *phar*
Levinsky, A. 3 *c* 326 Tenth ave.
Levinson, D. D. 1 *l*
285 St. Nicholas ave.
Levinson, E. † 4 *b*
Park Hill, Yonkers
Levinson, I. J. *phar* 637-10, Bklyn.
Levison, M. A. † 1 *b* 980 Fox
Levitt, M. D. 1 *c* 946 Leggett ave.
Levitt, W. M. *phar* 141 Division
Levy, D. S. 4 *j* Hartley
Levy, E. † *sp b* 52 E. 87
Levy, I. *phar* 83 Norfolk
Levy, J. 4 *m*
709 Bushwick ave., Bklyn.
Levy, J. 4 *s* 380 E. 173
Levy, J. 1 *l* 272 W. 77
Levy, J., Jr. *a* 397 So. 2, Bklyn.
Levy, J. I. 2 *s*
679 Avenue C, Bayonne
Levy, M. † 1 *b* 1335 Madison ave.
Levy, M. F. 2 *c*
709 Bushwick ave., Bklyn.
Levy, R. † 2 *b* Brooks
Levy, T. † 2 *b* 1472 Bryant ave.
Lew, T. T. *gr ed* 501 W. 121
Lewin, E. † *ph* 50 W. 129
Lewin, G. J. 2 *s*
718 St. Marks ave., Bklyn.
Lewin, S. † 2 *b* 1318-55, Bklyn.
Lewinson, M. † 1 *b* 3304 Hull ave.
Lewis, C. L. 3 *l*

1326 Madison ave.
Lewis, E. † 2 *b* 664 E. 160
Lewis, E. D. *pl* 611 W. 113
Lewis, E. L. † 4 *ed*
44 Essex, Bklyn.
Lewis, E. N. 4 *j* 616 W. 113
Lewis, F. C. *ph* Leonia
Lewis, J. E. *gr ed*
320 St. Nicholas ave.
Lewis, K. M. 2 *c* Short Hills
Lewis, K. O. 1 *c* 430 W. 118
Lewis, R. *pl* Furnald
Lewis, R. W. 4 *m* 421 W. 57
Lewis, W. A. † *nm b* 118 W. 76
Leys, D. W. 1 *c* 565 W. 113
Liander, W. † 1 *b* 154 W. 84
Liang, T. C. *pl* Hartley
Liberthson, L. 2 *s*
110 Riverdale ave.
Liccione, I. J. † 1 *b*
101 Mt. Vernon ave., Mt. Vernon
Liccione, W. T. M. 2 *c*
101 Mt. Vernon ave., Mt. Vernon
Licht, I. J. 4 *ed*
689 DeKalb ave., Bklyn.
Lichtenberg, J. *ph*
1752 Eastburn ave.
Lichtenstein, A. 2 *c*
929 West End ave.
Lichtenstein, A. J. *phar* 49 W. 112
Lichtenstein, A. S. 1 *c* 318 W. 72
Lichtenstein, H. † 4 *b*
22 Morningside ave.
Lichtenstein, H. R. *gr ed* 68 W. 113
Lichtenstein, J. V. † 2 *b*
1120 Hudson, Hoboken
Lichtenstein, S. *a*
63 Main, Haverstraw
Lieberman, S. H. 1 *c* 81 Chrystie
Liebermann, E. † *ph* 420 W. 121
Liebovitz, D. *nm ph* 31 W. 89
Liebovitz, N. *pl* 13 E. 112
Liebowitz, B. *p* 520 W. 122
Lief, A. R. 2 *c* 121 E. 103
Liel, A. R. 1 *c* 1 Chelsea Square
Liff, J. *p* 1416 Stebbins ave.
Lilienfeld, A. † *nm ed* 429 E. 157
Lilley, J. L. 3 *l*
527 Riverside Dr.
Lin, T. I. 1 *c* Hartley
Linck, F. E., Jr. *phar*
1659 Nelson ave.
Linck, T. A. *phar*
Lincoln, E. † 3 *pa* Whittier
Lindeman, L. J. *phar* 24 W. 112
Lindh, G. C. † 1 *b* Brooks
Lindholm, E. M. † 2 *pa* Whittier
Lindner, A. F. *nm a*
1326 Clay ave.
Lindner, E. † 1 *pa* 250 W. 91
Lindsay, J. S. † *ph* 334 W. 47
Lindsay, M. † 2 *b* 235 E. 35
Linehan, P. H. *p* 518 W. 143
Linett, J. M. 2 *m*
1401 Atlantic ave., Bklyn.
Lingg, S. E. † *nm pa*
303 St. Pauls ave., Tompkinsville
Lintz, J. 3 *m*
907 St. Marks ave., Bklyn.
Lione, J. *phar* 107 Christopher
Lipowsky, I. *phar* Mamaroneck
Lipsett, P. J. 3 *m* 36 W. 116
Lisk, H. † *p* 501 W. 121
Lithgow, D. S. † *pl* 151 E. 19
Littauer, E. V. 2 *c*
714 Bushwick ave., Bklyn.
Littell, L. F. † 1 *pa* 1631–42, Bklyn.
Little, E. H. † *gr ed* Clinton
Little, J. T. 3 *l* 1911 Crotona ave.
Little, L. L. 4 *j*
Litzky, H. W. *phar* 279 E. 3
Liu, F. H. † *gr ed* 411 W. 115
Liu, T. T. 1 *c* Hartley
Livermore, M. J. † 3 *pa*
Rochelle Pk., New Rochelle
Livingston, C. H. † 3 *ed*
253 Park ave., Orange
Livingston, R. † 1 *b* 321 W. 92
Livingston, W. S., Jr. 3 *s*
612 W. 116
Lloyd, D. A. † 1 *pa*
111 Manhattan ave.
Lo, K. T. *p* 419 W. 118
Lobeck, A. K. *p* Haworth
Lobo, J. 1 *c* 738 West End ave.
Lobsenz, J. † *ph* 233 W. 122
Lobsenz, M. † 3 *ed* 233 W. 122
Lobsenz, M. 1 *c*
104 Lexington ave., Passaic, N. J
Lockhart, G. L. † 1 *b* 9 E. 101
Lockwood, E. A. † *ph* 404 W. 115
Lockwood, M. † 1 *b*
79 Hamilton Place
Loden, H. *phar*
Hastings-on-Hudson
Loeb, A. M. 3 *c*
4516 Twelfth ave., Bklyn.
Loescher, E. *a* Harrison
Loessly, H. G. 4 *c*
1931 Linden, Bklyn.
Loew, A. A. *gr ed*
473 Madison, Bklyn.
Lofthouse, M. 1 *c*
Loftin, E. H. *sp s* 434 W. 120

Logan, C. E. † *gr ed* Freeport
Logan, C. T., Jr. 1 *c* 429 W. 117
Logan, C. T. *ph* 420 W. 119
Loiseaux, R. L. 1 *c* 519 W. 121
Lomas, M. L. † *nm ed*
18 Engle, Englewood
Lombardi, A. *a* 168 Lenox ave.
Long, A. *gr ed* 411 B'way
Long, G. M. † *ph*
121 No. Maple, E. Orange
Long, W. B. *p*
1257 Washington ave.
Longley, G. † 3 *pa*
106 Morningside Dr.
Lonigan, M. E. † 3 *b*
185 Prospect Park W., Bklyn.
Loo, M. Y. *pl* Hartley
Look, H. W. 2 *s* 336 E. 19
Loram, C. T. *gr ed*
191 Claremont ave.
Lord, G. deF. 1 *l* 49 Wall
Lord, M. W. † 3 *pa* 620 W. 122
Lorelli, D. *phar* 335 Second ave.
Lorentz, M. M. *gr ed*
596 Monroe, Bklyn.
Lorenz, C. R. † 3 *b* 168 W. 81
Lorenz, R. H. 2 *c* 168 W. 81
Loscalzo, H. *phar*
21 Lee ave., Winfield
LosKamp, H. 4 *c* 536 W. 114
Loth, S. E. † *ph* 119 W. 74
Lott, M. † 2 *b*
99 Hardenbrook ave., Jamaica
Lotz, E. † *ph*
121 Weirfield, Bklyn.
Loudon, B. † 4 *ed* Whittier
Louis, P. H. *pl* 14 Bowery
Louria, E. † 4 *b*
249 Hewes, Bklyn.
Louria, H. W. 3 *c*
249 Hewes, Bklyn.
Love, J. W., Jr. 4 *c* 350 W. 85
Lovejoy, C. E. *nm j* Hartley
Lovett, A. S., Jr. *pl* 600 W. 122
Low, M. † 1 *pa* 37 Halsey, Bklyn.
Lowenberg, W. A. 1 *c*
2262 Seventh ave.
Lowndes, B. † 2 *b*
19 Wallace ave., Mt. Vernon
Lownhaupt, E. † 1 *b* Ossining
Lowrey, L. T. *pl* Livingston
Lowry, E. † *nm ed* Whittier
Lowther, F. de L. † *p*
610 Riverside Dr.
Loyhed, L. D. † *ph* Brooks
Lubarsky, L. H. *pl* 522 W. 112
Lubetkin, M. † 3 *b* 111 E. 95

Lubman, H. *phar* 993 Union ave.
Lucado, M. F. † *nm b* 324 W. 83
Lucas, G. M. † *gr ed* 523 W. 121
Luce, C. † 4 *pa* Whittier
Luce, H., Jr. 1 *m* 415 W. 118
Luce, R. W. 1 *j* Furnald
Lucey, L. † 3 *b* Brooks
Lucky, A. L. † *sp b* 512 W. 123
Luckey, H. C. *pl* 512 W. 123
Luckings, A. P. † 2 *b*
851 Amsterdam ave.
Luft, H. L. 4 *pa*
1012 Manhattan ave., Bklyn.
Lull, S. R. † 3 *ed*
25 Overlook Ter., Yonkers
Lundgren, J. A. *pl* Kenilworth
Lunger, C. V. † 3 *pa* Whittier
Lunt, C. † *sp b*
26 Clinton Pl., Mt. Vernon
Lunt, F. S. *gr ed* 525 W. 120
Lustgarten, M. J. *gr ed*
39 Lee ave., Bklyn.
Lutes, M. M. † *gr ed* Whittier
Lydecker, D. † 2 *b* Englewood
Lynch, F. D. *phar* 5 W. 125
Lynch, G. † *nm pa* 340 W. 85
Lynch, H. A. *pl* 12 W. 11
Lynch, J. A., Jr. 4 *c* 250 Willis ave.
Lynch, J. J. *pl* 396-3, Bklyn.
Lynch, L. O. 4 *ed*
Tremont and Anthony aves.
Lynch, M. † *nm pa* Whittier
Lyne, K. McD. *nm s* Furnald
Lyon, B. R. 4 *m* Hartley
Lyon, C. S. 3 *l* Furnald
Lyons, H. F. † 4 *ed*
106 Morningside Dr.
Lyons, L. V. 2 *m* 50 E. 63
Lyttle, R. C. † *pl*
68 Montague, Bklyn.
McAdory, M. E. † 1 *pa* 3089 B'way
McAllister, C. E. *pl*
175 Ninth Ave.
McAllister, M. H. † 2 *pa* Whittier
McAndrew, E. † *mn pa*
110 Morningside Dr.
McAndrew, H. 1 *l*
134 Prospect ave., Mamaroneck
McBride, A. C. † *pl* 501 W. 121
McBride, W. A. *phar*
36 Van Buren, Kingston
McBride, W. J. *phar* 73 W. 101
McBurney, M. *nm b* 62 E. 78
McCabe, O. C. † *gr ed* 501 W. 121
McCabe, S. P. 1 *c* 613 W. 113

McCaffrey, M. E. † 1 *b*
947 E. 9, Bklyn.
McCall, W. A. *gr ed* 520 W. 123
McCallum, J. D. *ph*
625 Bloomfield ave., Nutley
McCallum, K. L. 3 *c*
145 Penn, Bklyn.
McCarthy, M. I. † *ph* 212 E. 70
McCarthy, T. 2 *s* 5 Douglas Pl.
McClees, H. † *ph*
90 Morningside Dr.
McClelland, G. H. *pl* 419 W. 115
McCloskey, P. † 3 *pa* Whittier
McClure, C. W. *pl* Madison
McClure, E. G. † *gr ed* 24 W. 12
McClure, H. † *gr ed*
1987 Morris ave.
McClure, W. M. *pl* Livingston
McCollins, C. † *nm pa* 415 W. 120
McCormack, H. W. *sp s*
195 Claremont ave.
McCormick, B. B. 1 *l* 24 E. 35
McCormick, M. G. *pl*
Monticello
McCormick, J. K. 3 *l* 237 E. 48
McCormick, P. J. *a* 237 E. 48
McCormick, T. H. *p*
1362 Fulton ave.
McCornack, R. D. *pl* Livingston
McCown, N. † 3 *pa* 94 Lawrence
McCoy, G. T. 3 *s* Livingston
McCoy, W. A. *nm c* 414 W. 149
McCoy, W. E. *p* 600 W. 122
McCracken, M. W. † *gr ed*
842 Lafayette ave., Bklyn.
McCracken, R. W. 3 *c*
842 Lafayette ave., Bklyn.
McCrea, V. T. † 3 *pa* 38 Percer Pl., Yonkers
McCreery, S. F. 2 *c* 161 W. 86
McCullers, M. † *nm b* Brooks
McCullough, E. V. † *nm pl*
116 E. 39
McCury, D. E. *pl* 2409 Grand ave.
McDermott, M. † 4 *ed* Whittier
McDermott, W. 1 *c*
30–27, Guttenberg
McDill, A. C. 3 *ed* Furnald
McDonald, R. A. F. *gr ed*
3115 B'way
McDonnell, J. H. *a* 370 W. 120
McDonnell, J. M. 4 *ed* Livingston
McDougall, H. R. *pl* Livingston
McDowell, R. P. 2 *l* Furnald
McElhinny, J. J. 4 *c*
1891 Daly ave.
McElvare, G. G. 4 *m*
231 Decatur, Bklyn.
McElvare, R. R. *pl*
231 Decatur, Bklyn.
McEntegart, C. J. † 2 *b*
358 W. 51
McEvoy, A. F. 1 *c* 370 W. 120
McEwen, R. S. *p* Livingston
McFall, R. J. *pl* 3115 B'way
McFarland, A. H. 4 *m* 346 W. 57
McFarland, A. P. *a* Hartley
McFarland, N. W. † *ph*
106 Morningside Dr.
McFarlane, D. † 4 *pa* 503 W 121
McGarvey, E. 1 *c*
178 Linden ave., Bklyn.
McGavock, E. G. † 3 *pa* Whittier
McGiffert, K W. † 2 *b* 606 W. 122
McGinnis, J. H. *ph* Livingston
McGoldrick, A. L. † *gr ed*
51 Clark, Bklyn.
McGough, F. J. † 4 *pa*
186 Chrystie
McGownd, M. † 3 *pa* 414 W. 120
McGranaghan, T. H. *phar*
McGrath, J. G. *p* 144 E. 117
McGraw, M. † 3 *pa* Whittier
McGregor, M. K. † *ph*
419 W. 119
McHale, W. J. 4 *c* 565 W. 113
McHayne, W. R. 1 *c* 5 W. 125
McHenry, M. B. † 4 *ed* Whittier
McIndoe, J. F. *phar*
McIntire, R. E. † *nm ed*
97 Paulison ave., Passaic
McIntosh, M. F. † *ph* 417 W. 118
McIntosh, R. E. 2 *s* 616 W. 113
McIntyre, M. E. † *nm pa* Rye
McKean, H. A. 4 *pa* 515 W. 122
McKee, C. U. † *nm pa* Whittier
McKee, D. † *gr ed* Whittridge Pl., Summit
McKee, H. E. † *ph* 417 W. 121
McKelvey, J. R. † 3 *pa*
305 Webster ave., Jersey City
McKelvey, R. † 3 *b*
Spuyten Duyvil
McKenna, J. A., Jr. 4 *s*
538 W. 114
McKenna, V. V. 2 *s* 538 W. 114
McKenna, W. W. 1 *c*
235 McDonough, Bklyn.
McKenzie, I. † *pl* 67 Lennox ave., E. Orange
McKeon, J. W. 2 *c* 112 Fulton ave., Astoria

McKeown, M. J. † *gr ed* 549 Riverside Dr.
McKim, R. R. 1 *c* 65 W. 88
McKnight, T. L. † 4 *ed* Central Valley
McKown, J., Jr 1 *l* Livingston
MacLachlan, H. † 1 *b* 87 No. B'way, Yonkers
McLane, F. M. † *gr ed* 529 W. 123
McLaughlin, J. B., Jr. *nm l* 353 W. 119
McLaughlin, L. A. M. † *p* 1373 Fulton ave.
McLean, E. † 1 *b* 445 W. 21
McLean, M. L. † *gr ed* 415 W. 118
McLean, O. C. 2 *l* 419 W. 118
McLendon, P. A. 4 *m* Blackwell's Island
McLester, A. † *nm ed* Whittier
McLoughlin, F. O. X. *pl* 260 Convent ave.
McMackin, F. J. *p* 522 W. 123
McMahon, G. † *gr ed* 223 W. 105
McManus, B. A. *nm l* 430 W. 118
McMillan, A. † 3 *pa* Whittier
McMillan, G. † 4 *pa* 415 W. 118
McMillan, M. E. † 3 *pa* 419 W. 121
McMillan, R. L. 2 *l* Livingston
McMillin, F. E., Jr. 1 *c* 210 W. 107
McMullen, H. † 4 *pa* 525 W. 120
McMurray, M. † 2 *b* Brooks
McNamara, J. G. 3 *l* 417 W. 120
McNamara, J. H. *phar* 59 W. 65
McNaughton, F. F. 4 *j* 3115 B'way
McNeer, E. L. † *p* Whittier
McNeil, E. C. 1 *l* 107 W. 43
McNeile, H. J. 3 *m* 68 Patchen ave., Queens
McPherson, C. R. 3 *l* 655 Salem Rd., Elizabeth
McQuillan, R. L. *phar* 75 W. 68
McQuillen, P. W. 2 *l* 119 High, Passaic
McRae, F. E. *p* 480 Central Pk. W.
Maass, H. H. 2 *s* 252 Greene ave., Bklyn.
Mabon, R. V. † *gr ed* Ward's Island
Maby, A. C. *nm l* 229 Keap, Bklyn.
MacAdam, J. K. 3 *l* 329 E. 42
Macaulay, F. R. *pl* 423 W. 120
Macauley, L. B. *phar* New Canaan
MacBermand, D. F. † 4 *ed* 500 W. 122
MacCall, M. † *pl* Brooks
MacCarthy, C. F. 4 *s* 429 W. 117
MacDermott, A. A. † *ph* 419 W. 118
MacDermut, R. L. † 1 *pa* 127 Park ave., Leonia
MacDonald, B. N. † *ph* 133 Richmond ave., Port Richmond
Macdonald, F. 1 *c* 510 W. 113
MacDonald, H. † 3 *b* Brooks
MacFadden, H. E. † 1 *pa* Whittier
MacGregor, M. *gr ed* 527 W. 121
Machacek, G. F. 1 c. 450 E. 89
Machanic, J. 4 *s* 262 Linden, Bklyn.
Mack, E. † 1 *b* 547 West End ave.
Mack, I. M. † 1 *pa* 1112 River, Olean
MacKay, D. L. *gr ed* 86 Woolsey, Astoria
Mackay, D. S., Jr. *ph* 600 W. 122
Mackay, J. E. 3 *j* Furnald
MacKellar, J. W. B. 1 *c* Blauvelt
Mackenzie, D. *nl* 373 Parsons ave., Flushing
Mackey, M. † 2 *b* 159 W. 103
Mackler, A. D. *gr ed* 46 Allen
Macklin, E. C. *pl* 600 W. 122
Macksey, K. W. 1 *c* 47 So. Clinton, E. Orange
MacLachlan, H. J. 1 *l* 87 No. B'way, Yonkers
MacLain, A. D. † *nm pl* 1801 Seventh ave.
Maclaire, A. S. 1 *m* 347 E. 87
MacLeod, G. † *p* 177 Emerson Pl., Bklyn.
Macleod, W. T. *nm ed* 528 W. 123
Macmahon, A. W. *pl* 112 Jay ave., Lyndhurst
MacMahon, T. J. 1 *j* 465 Central Pk. W.
Macmillan, B. A. † *ph* 519 W. 121
MacMillan, H. 2 *s* 558 W. 113
MacMillan, H. M. † 1 *pa* 525 W. 120
MacMullen, H. † 4 *pa* 526 W. 123
MacNair, I. P. † 4 *ed* 56 St. Johns Pl., Bklyn.
MacNair, I. P. 4 *c* 538 W. 114
MacPherson, H. D. † *pl* College Point
MacQueen, W. N. *pl* 600 W. 122
MacRossie, A. A. 4 *c* 429 W. 117

MacRury, A. G. *pl* 920 Salem Rd., Elizabeth
MacRury, J. A. *pl* 1432 Van Wicklen Pl., Ozone Pk.
Madden, J. *phar* 117 W. 64
Maddi, P. 1 *pa* 101 E. 84
Maddow, D. † 2 *b* 222 Monroe, Passaic
Maeseth, U. W. K. *pl* Livingston
Magen, E. J. *pl* 251 W. 109
Maggio, M. A. *phar* 192 Spring
Magid, F. † 3 *b* 1740 E. 19, Bklyn.
Magna, C. H., Jr. 1 *m* 186 Lenox Rd., Bklyn.
Magnette, J., Jr. 3 *m* 437 W. 59
Maher, M. † *gr ed* 478 W. 159
Mahland, H. A. 1 *c* 525–10, Bklyn.
Mahler, P. 2 *s* 602 E. 169
Mahnken, H. J. 1 *c* 542 W. 124
Mahon, E. J. 3 *c* 442–62, Bklyn.
Mahon, H. W. 3 *m* 1498 Bryant ave.
Mahoney, C. K. *ph* Madison
Mahoney, J. *ph* St. John's Cathedral
Maidman, J. *phar* 425 E. 9
Maislish, M. *phar* 125 E. 115
Majoney, V., Jr. *phar* Hartley
Major, J. † *ph* 420 W. 121
Malino, J. E. 1 *l* 1363 Stebbins ave.
Malisoff, W. 4 *c* 220 Stockton, Bklyn.
Mallon, E. † *sp b* Brooks
Mallory, M. † *nm ed* Greenwood
Mallory, W. H. 2 *s* 420 W. 116
Malloy, F. † *ph* 430 W. 118
Malone, J. R. 1 *j* Furnald
Maltby, C. L. † 1 *pa* 106 Morningside Dr.
Mamelok, L. 3 *m* 220 E. B'way
Mammack, A. † 2 *b* 110 Morningside Dr.
Man, E. † 1 *b* 245 Church, Richmond Hill
Manchester, M. I. † *gr ed* 508 W. 122
Mandel, E. M. *gr ed* 524 Grand
Mandel, S. *gr ed* 170 Riverdale ave., Bklyn.
Mandell, A. J. 3 *s* 524 Grand
Mandeville, S. E. 2 *m* 233 W. 128
Mandl, M. M. 4 *c* 1560 Amsterdam ave.
Manges, H. S. 2 *c* 120 W. 86
Mango, L. V. 1 *m* 331 E. 34
Mangus, J. *ph* 501 W. 121
Manheim, S. 1 *m* 95 Osborne Ter., Newark
Manion, N. † *mn ed* 1060 River Rd., Edgewater
Manion, W. J. *gr ed* 1060 River Rd., Edgewater
Manjoney, P. 3 *m* Hartley
Mankiewicz, F. *ph* 1842 Seventh ave.
Mankiewicz, H. J. 1 *c* 2711 Decatur ave.
Mann, E. † *gr ed* 525 W. 120
Mann, E. K. † *gr ed* 501 W. 121
Mann, L. R. 2 *j* Furnald
Mann, L. T. 3 *m* 7420 Thirteenth ave., Bklyn.
Mann, M. E. † 1 *pa* Whittier
Manne, A. 1 *m* 170 Taylor, Bklyn.
Manning, G. † *nm pa* Whittier
Manning, J. 2 *s* Hartley
Manott, F. † 4 *ed* 419 W. 119
Mansbach, P. P. 1 *c* 431 W. 117
Mansback, I. E. *nm l* 460 Riverside Dr.
Manser, H. E. *nm ed* 206 Smith, Newark
Manser, R. † *nm ed* 12 Shadyside, Summit
Mantell, L. R. † 2 *pa* 509 W. 121
Mantz, H. E. *ph* 509 W. 121
Maqary, A. E. *pl* 24 Cottage, So. Orange
March, L. M. † 3 *pa* Whittier
Marcus, A. *p* 173 W. 83
Marcus, D. † *ph* 122 E. 114
Marcus, J. K. *p* 853 Beck
Marcus, L. 1 *c* 530 W. 126
Marcus, L. 4 *c* 406 Sackman, Bklyn.
Marcus, M. † *gr ed* 122 E. 124
Margold, C. W. 4 *c* 248 Snediker ave., Bklyn.
Margolis, E. *ph* 601 W. 162
Margon, S. 4 *s* 1824 Clinton ave.
Margoshes, S. *ph* 54 St. Nicholas ave.
Mariano, J. 3 *c* 349 W. B'way
Markey, R. † 1 *b* 231 W. 140
Markowitz, J. *phar* 64 W. 118
Markowitz, I. *phar* 925 Tiffany
Marks, E. S. 2 *c* 655 Kearney ave., Arlington
Markwell, F. P. † 4 *ed* 27 W. 90
Marmer, M. *gr ed* 702 Willoughby ave., Bklyn.
Maroney, J. P. *phar* 93 W. 14, Bayonne
Marquard, J. *gr ed* Livingston

Marquardt, W. C. 2 *s*
336 St. Ann's ave.
Marquess, E. † 1 *b* 504 W. 122
Marraffino, V. S. 1 *c*
800 Second ave.
Marren, M. L. † *ph* Whittier
Marriott, J. C. *gr ed* 519 W. 121
Marsh, F. A. † 4 *pa* 509 W. 122
Marshall, J. 2 *j* 47 E. 72
Martens, C. † 2 *b* Whittier
Martin, F. L. 3 *l* Livingston
Martin, G. A. *phar* 119 E. 89
Martin, G. W. 1 *c* 133 Noble
Martin, H. V. † *ph* Whittier
Martin, H. W. *gr ed*
108 Buckingham Rd., Yonkers
Martin, L. W. † 4 *b* 178 E. 64
Martin, K. K. † 4 *pa* Whittier
Martin, M. † *nm b* 178 E. 64
Martin, T. D. *ph* 600 W. 122
Marting, H. A. 2 *l*
Martinson, H. 4 *m* 295 E. 10
Marts, W. *gr ed* 70 Valley Rd., Montclair
Martus, J. H. 1 *m* 32 W. 114
Martyn, B. 1 *c* 521 W. 111
Marx, E. A. 2 *s*
524 Riverside Dr.
Marx, O. † 4 *b* 562 W. 113
Marzano, F. J. *phar* 417 Grand, Hoboken
Maselli, R. *phar* 197 Mulberry
Masini, A. L. *phar* 612 Hague, W. Hoboken
Maslon, J. *phar* 71–2
Mason, A. A. *gr ed*
2545 Valentine ave.
Mason, A. H. † 3 *pa* Whittier
Mason, B. G. † 4 *pa* Whittier
Mason, W. P., Jr. 1 *l*
291 Madison ave.
Massett, C. S. 1 *c* Flushing
Masters, M. B. † 4 *ed* Whittier
Masterson, E. A. *phar*
1388 Jessup ave.
Mastick, S. C. *p* 2 Rector
Matera, A. A., Jr. *phar* 151-42, Corona
Mathes, F. P. † 4 *ed* 500 W. 122
Mathews, A. † 3 *pa*
106 Morningside Dr.
Mathews, R. H. 4 *m*
570 Pavonia ave., Jersey City
Mathison, E. † 4 *b* 547 Broome
Matthews, S. *a* 55 W. 95
Matteson, D. E. † 1 *pa*
24 Urban, Mt. Vernon
Mattison, S. 1 *c* 242 E. 50
Maue, H. P. 1 *c* 308 E. 142
Maul, W. F. 4 *s* 768 West End ave.
Maupin, J. G. 1 *m* 27 E. 62
Maurer, E. † 4 *pa* 440 E. 26
Maurer, M. E. † *ph* Whittier
Maurer, W. R. 1 *c* 158 W. 99
Mausolff, A. K. *a* 633 W. 115
Mautner, B. H. 2 *l*
1070 Madison ave.
Maver, J. L. † 2 *pa*
182 Arlington ave., Jersey City
Maxwell, W. G. 2 *c*
29 Marion, Bklyn.
May, E. A. *phar* 75 E. 120
May, M. A. *ph* 600 W. 122
Maya, Das H. † 4 *ed* 415 W. 120
Mayer, A. 2 *c* 41 E. 72
Mayer, D. R. 1 *l* 252 W. 148
Mayer, J. W. 3 *c* 440 West End ave.
Mayer, L. † 1 *b* 2085 Fifth ave.
Mayer, L. S. † *nm pl*
54 Morningside Dr.
Mayer, M. D. 4 *m* 247 E. 71
Mayer, M. L. † *nm b* 417 W. 120
Mayer, T. *pl* 41 E. 72
Mayer, T. † 1 *b* 162 E. 80
Mayerowitz, I. *phar* 107 E. 123
Mayhew, H. † 2 *b*
1166 Pacific, Bklyn.
Maynard, E. P., Jr. 1 *m*
151 E. 18, Bklyn.
Mazzoni, R. *phar* 432 E. 15
Mead, E. H. 3 *l* So. Orange
Meadows, A. G. † *gr ed* Whittier
Meagher, E. C. 1 *c* 401 E. 152
Mebane, D. C. 1 *c* Hartley
Medine, S. 3 *s* 137 Pitt
Medrick, C. N. † 1 *pa* Whittier
Meeker, C. H. † 3 *pa* 117 W. 130
Meeker, D. E. 3 *l*
101 Hancock St., Bklyn.
Meeker, M. L. † *nm pa*
Llewellyn Park, W. Orange
Megahan, A. M. † 2 *pa*
700 President, Bklyn.
Mehler, E. S. † *pl* 322 W. 100
Meier, M. E. † *phar* Butler
Meierhof, H. L. 4 *c*
1140 Madison ave.
Meinhold, A. † 2 *pa* 313 W. 139
Meirowitz, S. 3 *pa* 1613 Second ave.
Meister, E. H. 1 *c*
27 Norwood ave., Bklyn.
Meisterman, S. G. 1 *c*
155 Midland ave., Arlington
Meitzler, A. V. † 4 *pa* 523 W. 121

Meleney, C. C. 1 *l*
509 E. 16, Bklyn.
Meleney, F. L. 3 *m*
509 E. 16, Bklyn.
Meleney, H. E. 4 *m*
509 E. 16, Bklyn.
Melhinck, L. A. † *gr ed*
106 Morningside Dr.
Mellamed, H. C. *nm j* Furnald
Meltzer, B. *phar* 612 E. 158
Melvin, H. M. † 4 *ed*
88 Elliott ave., Yonkers
Melzer, C. P. 429 W. 117
Memory, M. F. † 3 *pa* Whittier
Menagh, A. T. † 1 *pa*
64 Van Riepen ave., Jersey City
Mendelsohn, J. I. *pl*
88 Stratford Pl., Newark
Mendes, P. 4 *c* 106 Central Pk. W.
Mendez, R. 1 *c* 46 W. 127
Mercado, L. † 4 *pa* Whittier
Merckel, F. G. 3 *s* 107 E. 10
Mernstein, M. H. 1 *l* Stamford
Merrill, B. † *p* Whittier
Merrill, G. A. *pl*
253 Park, Hackensack
Merrill, M. † 1 *pa* 531 W. 124
Merrill. S. C. 2 *s* 2880 B'way
Merriman, W. H. † 4 *ed* 435 W. 117
Merritt, G. H. 1 *c* Hartley
Merritt, G. R. † 2 *b* 611 W. 180
Merritt, L. B. † *pl* Mineola
Merten, F. *gr ed* 519 W. 121
Mertens, R. E. 1 *c*
56 Hamilton Ter.
Mertl, J. M. 1 *c* 424 E. 80
Messemer, J. F. 4 *m*
3243 Hull ave.
Messenger, H. A. † *p* 569 W. 150
Messenger, R. E. † *pl* 569 W. 150
Messina, J. 1 *c*
2525 Amsterdam ave.
Messing, A. 3 *m* 22 Lewis
Messing, A. J. 2 *c* 2039 B'way
Messing, M. 2 *s* 22 Lewis
Metcalf, T. N. *gr ed* Livingston
Metzger, D. † 1 *b* 26 W. 88
Meyer, A. J. *pl* 15 Himrod, Bklyn.
Meyer, A. T. † 4 *pa* 17 E. 87
Meyer, B. *gr ed* 155 So. 2, Bklyn.
Meyer, C. † 4 *b* 41 E. 72
Meyer, C. L. W. *pl* 515 W. 124
Meyer, D. † 1 *b* 1 W. 68
Meyer, D. L. 2 *c* 2 W. 89
Meyer, E. F. 1 *c* 41 Convent ave.
Meyer, E. P. *pl* 104 W. 94
Meyer, H. H. 1 *c* 750 Cortland ave.
Meyer, H. L. 4 *c* 105 W. 72
Meyer, H. W. 3 *c* 700 Madison ave.
Meyer, I. † 4 *b* 126 W. 78
Meyer, I. H. † 2 *b*
222 Riverside Dr.
Meyer, I. R. † 2 *pa* 60 E. 7
Meyer, L. *nm l* Furnald
Meyer, M. † 4 *b* 785 Madison ave.
Michael, M. R. † *nm ed* 523 W. 123
Michaelian, F. M. 1 *c* 530 W. 124
Michaels, L. 4 *m* 925 Jackson ave.
Michaels, R. S. † *pl* 15 E. 107
Michelson, H. † *nm b* 517 W. 113
Middlebrook, G. *nm pa*
853 Seventh ave
Middleditch, L. *nm c* 65 Duane
Middleton, F. † *p*
366 St. Nicholas ave.
Milch, H. 2 *c* 486 E. 4, Bklyn.
Mildrum, R. 1 *c*
Ft. Maryland ave., Rosebank
Miles, C. † 4 *pa* 63 Park
Miles, S. H. 4 *m*
Blackwell's Island
Milhauser, L. *phar* 140 W. 4
Milheiser, C. F. 3 *l* Furnald
Miliman, I. S. 4 *s*
2035 Douglass, Bklyn.
Millar, L. † *nm b* 445 Park,
Upper Montclair
Millard, W. J. *p* Hartley
Miller, B. † *nm ph* 430 W. 119
Miller, B. W. † 4 *pa*
140 Claremont ave.
Miller, D. † 3 *b* 2279 Andrews ave.
Miller, D. B. 4 *c*
20 Morningside Dr.
Miller, D. H. *p* 622 W. 179
Miller, D. S. *phar* Amagansett
Miller, D. W. 2 *s* 425 W. 160
Miller, E. † 4 *b*
684 Onderdonk ave., Bklyn.
Miller, E. C. † 3 *pa* 501 W. 121
Miller, E. C., Jr. 1 *l*
196 Argyle Rd., Bklyn.
Miller, E. M. † *phar*
905 Ave. O, Bklyn.
Miller, E. S. *phar* 709 Tenth ave.
Miller, G. E. *a* 314 W. 112
Miller, C. F. *gr ed* Livingston
Miller, G. K. † 3 *pa*
62 Pierrepont, Bklyn.
Miller, H. † *nm pa*
333 Ashford, Bklyn.
Miller, H. M. 2nd 1 *c* 540 W. 113
Miller, H. V. 3 *c* Furnald

Miller, J. F. *nm pl* 303 Adelphi, Bklyn.
Miller, J. H. † *nm ph* Whittier
Miller, L. † *nm ed* Whittier
Miller, M. † *gr ed* 420 W. 121
Miller, M. † 1 *pa* Whittier
Miller, M. A. † *ph* 150 E. 72
Miller, M. I. † *gr ed* 501 W. 121
Miller, R. A. † 4 *ed* Whittier
Miller, S., Jr. *pl* 502 W. 113
Miller, S. A. *phar* 22 E. B'way
Miller, S. J. *phar* 306 E. 165
Miller, S. M. † 2 *b* 431–12 No. New York
Miller, W. *ph* Livingston
Miller, W. B. *nm c* Freeport
Miller, W. H. 2 *c* 426 Convent ave.
Milligan, R. S. 2 *m*
Milliken, R. † 1 *b* Hasbrouck Hghts.
Mills, A. D. † *ph* 401 W. 118
Mills, C. M. *pl* 600 W. 122
Mills, R. T. 1 *j* Hartley
Milyko, A. 3 *s* 1475 Crotona Pl.
Minahan, M. O. † 2 *b* 500 W. 121
Miner, C. E. *pl* 662 W. 184
Miner, M. W. † 4 *pa* 545 W. 148
Miner, R. W. *p* 130 Claremont ave.
Minnick, J. H. *gr ed* 509 W. 122
Minor, K. T. † 1 *pa* 20 So. Parsons ave., Flushing
Minsky, H. 1 *c* 524 Barbey, Bklyn.
Minsky, H. K. *nm l* 851 W. 181
Minoli, S. 1 *c* 810 Second ave.
Minturn, T. 1 *c* 875 Union, Bklyn.
Mintzis, H. L. *phar* 740 Trinity ave.
Mirsky, M. E. † 2 *b* 49 W. 83
Misch, H. D. † 4 *b* 168 W. 130
Mischlich, H. L. 4 *c* 130 Sterling Pl., Bklyn.
Mistrelta, J. *phar* 315 E. 29
Mitchell, D. E. 1 *pa* 420 W. 121
Mitchell, H. † 3 *j* 523 W. 121
Mitchell, H. G. *p* Furnald
Mitchell, I. † *nm ed* 212 W. 132
Mitchell, L. G. † *nm pa* 420 W. 121
Mitchell, R. W. 2 *m* 34 W. 44
Mitzenius, W. L. 2 *s* 1048 Ave. C, Bayonne
Mock, I. M. † 1 *pa*
Moeller, L. N. 3 *s* 2185 Seventh ave.
Moffat, E. † 3 *pa* Whittier
Moffat, S. M. 2 *l* 139 Park ave., Yonkers
Mohler, L. *gr ed* 416 W. 118
Moldenke, E. 2 *s* 2040 Fifth ave.
Moley, R. C. *pl* Furnald
Moller, L. M. † 3 *pa* 270 Westminster Rd., Bklyn.
Moller, V. S. † *ph* 119 W. 92
Mollica, L. B. *phar* 26 Carmine
Monell, L. M. 3 *s* 321 St. Nicholas ave.
Monfried, A. A. 2 *s* 62 Riverdale ave., Yonkers
Monroe, H. C. 2 *c* 144 W. 104
Monroe, J. † 2 *pa* 44 Prospect Dr., Yonkers
Monsch, H. † *gr ed* 416 W. 118
Montgomery, A. † 4 *pa* 525 W. 120
Montgomery M. G. *pl* 600 W. 122
Montgomery, P. O. 4 *s* 531 W. 113
Montgomery, R. B. 2 *c* Plainfield
Montgomery, S. L. † *ph* 430 W. 119
Montrose, C. G. *gr ed* 155 W. 65
Montroy, M. † 4 *ed* 400 W. 118
Moodey, G. † *ph* 603 Watchung ave., Plainfield
Moody, J. A. *ph*
Mook, C. C. *p* 416 W. 129
Mook, E. M. † 1 *b* Metuchen
Mook, R. R. † *p* 416 W. 129
Moolten, R. R. 1 *c* 1632 Ave. A
Moon, P. L. *pl* 509 W. 121
Moon, W. C. *gr ed* Freeport
Mooney, J. J. 1 *c* 78 W. 94
Moore, A. E. † 4 *ed* 418 W. 118
Moore, E. L. † 1 *pa* Whittier
Moore, H. B. 2 *c* 540 W. 113
Moore, H. H. † 4 *pa* 106 Morningside Dr.
Moore, J. C. *gr ed* 16 Old B'way
Moore, J. E. † 3 *ed* 119 Essex ave., Bloomfield
Moore, M. A. † 3 *pa* Whittier
Moore, M. B. † *gr ed* 442 Fairmount ave., Jersey City
Moore, M. B. † *nm pl* 135 E. 52
Moore, R. R. 2 *s* 172 East End ave.
Moore, W. 2 *m* 992 Sterling Pl., Bklyn.
Moore, W. L. 1 *c* Hartley
Moore, W. V. 4 *c* 992 Sterling Pl., Bklyn.
Moran, S. F. *ph* 600 W. 122
Moran, H. † 1 *pa* 560–4, Bklyn.
Morch, E. H. 2 *c* 961 Lexington ave.
Morch, J. 3 *s* 304 Carroll, Bklyn.
Mordecai, C. † 2 *b* 319 W. 105

Morehouse, E. A. † 1 *b* Brooks
Morehouse, V. M. † 4 *ed*
Y. W. C. A., Yonkers
Morgan, C. † 3 *pa*
100 Morningside Dr.
Morgan, E. † 2 *b* 135 E. 66
Morgan, F. S. † 3 *pa* Whittier
Morgan, J. J. B. *ph* Madison
Morgan, J. L. 2 *c* 2190 Seventh ave.
Morgan, S. W. *a* 627 W. 115
Morgenthau, A. J. † 3 *j* 38 W. 73
Morgenthau, L. R. † 4 *b* 161 W. 91
Moriarty, J. H. 2 *l* 211–2,
Jersey City
Moriarty, M. L. † *ph*
308 Hawthorne ave., Yonkers
Morimatsu, T. *pl* 102 W. 123
Moritz, M. † 2 *b* 446 E. 139
Morley, T. A. 1 *c*
16 So. Burnett St., E. Orange
Moore, C. M. *gr ed*
Morrell, J. † 3 *ed* W. Englewood
Morrey, W. T. *pl* 535 W. 111
Morrill, A. M. † 3 *pa*
89 Henry, Passaic
Morrill, F. U. † *ph*
296 Ryerson, Bklyn.
Morris, B. B. 3 *l* Livingston
Morris, C. † 2 *b* 925 Park ave.
Morris, E. 1 *c*
228 Putnam ave., Bklyn.
Morris, F. K. *p*
485 Central Pk. W.
Morris, H. A. † *nm pa* 11 E. 37,
Bayonne
Morris, L. E. *nm ph* 175 Ninth ave.
Morris, S. A. 1 *m* 122 W. 115
Morris, W. 3 *c*
64 Humboldt, Bklyn.
Morrison, A. † 1 *b*
1266 St. Nicholas ave.
Morrison, F. H. 2 *m* 61 High,
Newton
Morrison, H. F. 3 *m*
Kings Co. Hosp., Bklyn.
Morrison, J. C. *gr ed*
216 Maple, Bklyn.
Morrison, S. D. 2 *s*
181 Claremont ave.
Morrissey, K. L. † 2 *pa*
420 W. 121
Morrissey, L. † 4 *pa* 217 W. 104
Morrissey, N. C. † 2 *pa*
80 Bruce ave., Yonkers
Morrissey, S. J. † 4 *ed* 524 W. 124
Morro, S. E. † 4 *pa*
245 Albany ave., Bklyn.
Morse, W. C. B. *a* Hartley
Moser, W. *phar*
72 Williams ave., Bklyn.
Moses, E. W. † 4 *ed*
99 Claremont ave.
Moses, M. † 4 *b* 8 E. 127
Moses, M. M. † 2 *b* 435 W. 119
Mosher, H. E. † 4 *ed* 953 Fox
Mosher M. 2 *s* 16 W. 111
Moscowitz, H. H. 4 *ed*
968 Morris Pl.
Moskowitz, C. *phar* 165 Attorney
Moskowitz, D. H. *p*
1722–79, Bklyn.
Moskowitz, M. 2 *s* 204 Henry
Mossowitz, C. *phar* 978 Aldus
Mott, E. † 1 *b* 113 E. 120
Mottola, J. H. 1 *l* 1335–65, Bklyn.
Mourer, C. L. † *gr ed* 431 W. 121
Moxaldi, F. *phar* 3 Elizabeth
Moxcey, M. E. † *gr ed* 401 W. 118
Moylan, J. J. *nm c* 871 Bergen ave.,
Jersey City
Mudge, W. A. *p* Livingston
Muehleck, G. E. 1 *m* 212–11,
Hoboken
Muehleck, L. E. † 4 *ed* 115 Oak,
Weehawken
Mueller, E. W. *phar*
6219 Twentieth ave., Bklyn.
Mueller, H. R. *pl*
5323 Fourth ave., Bklyn.
Muendel, R. † 3 *pa*
1421 Prospect ave.
Muesser, E. 4 *s* 3260 Hull ave.
Mule, S. *phar*
157 St. Nicholas ave., Bklyn.
Mulhall, E. F. † *ph* 315 W. 97
Mulheron, H. † *gr ed* 537 W. 121
Mullen, A. 1 *c* 405 W. 123
Müller, A. J. 1 *c* 2178 Arthur ave.
Muller, A. H. † *pl* 562 W. 150
Müller, C. A. 4 *s* 532 W. 159
Muller, M. K. † 4 *pa* 695 E. 170
Muller, R. F. A. 4 *s* Livingston
Muller, T. *p* 109 W. 136
Muller, W. J. 4 *ed*
15 Bleecher, Bklyn.
Mullikin, J. C. † *p*
312 Belleville ave., Newark
Mullin, D. † *nm b* Whittier
Mullin, M. W. † 1 *pa* Whittier
Mullins, G. W. *p* 418 W. 118
Mulwitz, J. L. 3 *l* Port Chester
Mumford, R. W. *p* Hartley
Munafo, J. C. *phar* 44 First ave.

Munger, A. D. 4 *m*
Kings Co. Hosp., Bklyn.
Munn, L. † *gr ed* 523 W. 121
Munro, H. F. *pl* 416 W. 118
Munro M. † 4 *pa* 854 Ave. C, Bayonne
Munro, S. H. † 4 *ed*
106 Morningside Dr.
Munro, W. W. 4 *c* 523 W. 121
Munroe, R. K. 2 *s*
434 Riverside Dr.
Munter, E. † 2 *b* 52 W. 91
Muravchik, R. B. † *pl*
1253 Amsterdam ave.
Murawsky, A. K. *nm a* Furnald
Murchison, C. T. *pl* 633 W. 115
Murnane, R. † 3 *b*
274 Degraw, Bklyn.
Murphy, A. B. † 4 *ed* 415 W. 120
Murphy, A. C. † 3 *pa* 416 W. 122
Murphy, B. J. *a*
841 Crotona Pk., No.
Murphy, F. E. 2 *s*
548 Webster ave., New Rochelle
Murphy, G. B. 3 *s* 104 W. 102
Murphy, G. B. † 3 *ed*
534 Putnam ave., Bklyn.
Murphy, H. † 4 *b*
25 Hamilton Pl.
Murphy, H. A. † *nm ed*
420 W. 119
Murphy, J. A. 4 *c* Hartley
Murphy, L. E. † *ph* 220 Camelia, Astoria
Murphy, M. † *gr ed*
160 Willoughby ave., Bklyn.
Murphy, M. E. † *pl* 617 W. 135
Murphy, M. V. † 4 *pa* 419 W. 119
Murphy, P. 2 *pa* 17 W. 65
Murphy, R. 1 *c* Livingston
Murphy, S. W. 2 *l*
149 Keap, Bklyn.
Murphy, W. A. *gr ed*
70 So. Elliott Pl., Bklyn.
Murphy, W. H. *p* Livingston
Murray, C. † *gr ed* 420 W. 121
Murray, C. V. 1 *c* Hartley
Murray, E. W. 4 *s* Hartley
Murray, J. P. T. 1 *c*
432–1, Bklyn.
Murrin, C. † *nm ed* 419 W. 115
Murrin, W. R. 2 *l* 419 W. 115
Murtland, I. A. † 1 *b* 40 E. 81
Muse, M. B. † 3 *pa* Whittier
Musgrave, E. † *ph* 122 E. 66
Mushekin, E. 2 *s* 444 W. 164
Mussaeus, M. G. † *ph* 503 W. 122
Mussaeus, W. T. 1 *c*
204 Macon, Bklyn.
Mutchmor, J. R. *pl* 600 W. 122
Mutscheller, A. *p* 112 E. 77
Muzante, J. B. 1 *m* Glen, Glen Cove
Myers, D. K. † 3 *b* 153 W. 78
Myers, G. E. *gr ed* 416 W. 118
Myers, M. † 2 *b* 216 W. 102
Myers, O. B. 3 *s* 513 W. 113
Myers, P. B., Jr. *pl*
31 Western ave., Morristown
Myers, R. S. *nm ed*
72 Waltham ave., Ridgewood
Myers, W. V. 2 *c* Livingston
Myerson, D. *phar* 818 E. 166
Myles, R. C. 2 *c* 46 W. 38
Mylius, L. A. 4 *s* 435 W. 117

Naboshek, D. 3 *s* 3 E. 106
Nadel, L. 1 *c* 1182 Clay ave.
Nadel, R. † *phar* 632 E. 9
Nag, R. C. 1 *c* 554 W. 114
Nagelberg, J. L. *p*
2082 Hughes ave.
Nahm, H. H. 1 *c* 628 W. 114
Nakamura, Y. *ph*
80 Manhattan ave.
Nammack, E. F. † *ph*
110 Morningside Dr.
Nathan, E. J., Jr. 2 *l* 127 W. 74
Nathan, R. G. † 2 *b* 127 W. 74
Nathanson, M. E. † 3 *b*
526 New Jersey ave., Bklyn.
Nathansan, S. 3 *l* 616 W. 114
Naumburg, A. † *ph* 21 W. 83
Naumer, H. A. 3 *c* 514–11, Bklyn.
Nead, R. H. *ph*
1121 Bedford ave., Bklyn.
Neagle, A. H. 1 *m*
Neal, M. A. † *gr ed* 94 Lawrence
Neary, A. 1 *l* Livingston
Neely, A. C. † *pl* Tarrytown
Neely, H. A. 1 *l*
420 Everson Pl., Westfield
Neer, A. E. † 4 *ed*
189 State, Perth Amboy
Neer, I. † 2 *b* 245 B'way, Paterson
Neergaard, W. *phar*
293 Sixth ave., Bklyn.
Negri, F. M. † *ph*
1246 Madison ave.
Neimeth, J. *phar*
5215 Twelfth ave., Bklyn.
Neinken, M. L. 3 *s*
1472–56, Bklyn.

Neidhardt, A. W. † *gr ed* 332 W. 51
Neifeld, M. *gr ed* 163 Bay 34, Bklyn.
Nekarda, V. F. 1 *l* 504 E. 86
Nellis, E. J. † *nm pa* 42 W. 39
Nelsen, G. O. † 4 *pa* 417 W. 120
Nelson, A. S. 1 *c* Carmel
Nelson, C. L. 1 *c* 230 High ave., Nyack
Nelson, J. H. 1 *c* Pocanotico Hills
Nelson, L. A. † *gr ed* 70 Morningside Dr.
Nelson, S. † 4 *b* 58 Lamartine ave., Yonkers
Nemser, M. 3 *m* 88 First ave.
Neretin, H. *phar* 1390 Franklin ave.
Nes, W. H. 1 *c* Hartley
Netter, W. 3 *l* 837 Seventh ave.
Neubauer, C. † 1 *b* 764 Fourth ave., College Point
Neumann, E. *gr ed* 210 Stockton, Bklyn.
Neumann, H. *ph* 304 E. 15
Neumer, O. 2 *s* 20 W. 95
Neun, D. E. † *p* 106 Morningside Dr.
Nevins, A. *ph* 20 Vesey
Nevin, W. M. 4 *c* 192-68, Bklyn.
Nevitt, H. G. 3 *s* 624 W. 139
Newburger, B. G. † 1 *b* 401 West End ave.
Newburger, M. J. 2 *c* 401 West End ave.
Newcomb, M. J. † 3 *pa* 418 W. 118
Newell, E. † *gr ed* 519 W. 121
Newell, F. B. *pl* 600 W. 122
Newfield, L. A. 4 *m* 33 Thatford ave., Bklyn.
Newman, D. 2 *l* 147 Van Buren, Bklyn.
Newman, F. W. 4 *c* 1020 Park Pl., Far Rockaway
Newman, J. A. 1 *c* 147 Van Buren, Bklyn.
Newman, J. W. 4 *c* Franklin ave. & Cedar, Far Rockaway
Newton, A. M. † *ph* 509 W. 121
Nias, M. *phar* 307 W. 150
Micastro, E. E. *phar* 130 W. 64
Nicholaus, J. L. 2 *m* 510 W. 124
Nichols, D. † 2 *b* 80 Grand, Jamaica
Nichols, C. F. 4 *m*
Nichols, D. † 1 *b* 2139 Seventh ave.
Nichols, H. W. 3rd 1 *l* 558 W. 113
Nichols, L. H. 1 *c* Hartley
Nicholson, W. C. *gr ed* 152 W. 121
Nichthauser, P. † *gr ed* 821 E. 166
Nichthauser, V. 1 *l* 821 E. 166
Nicol, C. C. *ph* 610 W. 191
Nicol, J. H. *gr ed* Hartley
Nicolson, W. P., Jr. 3 *m* Livingston
Nied, W. S. *phar* 84 W. 18, Bayonne
Nielson, L. H. 3 *s* 611 E. 158
Nighman, C. E. 4 *s* 370 W. 120
Nilsen, L. † *p* 27 W. 88
Nims, F. A. *gr ed* 524 W. 123
Nisselson, A. *phar* 252 Broome
Niver, A. M. † 3 *pa* 501 W. 121
Nixdorff, C. E. *ph* 320 W. 83
Noble, G. H., Jr. 2 *m* 346 W. 57
Noble, J. K. 1 *c* 627 W. 113
Noble, K. P. † *ph* 304 W. 77
Noble, S. G. *gr ed* 424 W. 119
Nodine, E. R. 1 *c* 429 W. 117
Noe, J. T. 2 *c* 55 W. 183
Noel, B. P. † *ph* Leonardo
Noethen, J. C. *ph* 160 E. 94
Noice, D. † 2 *b* 462 Convent ave.
Nolan, J. L. L. 1 *m* Furnald
Nolan, J. P. † 3 *pa* R. D. No. 3, Auburn
Noles, B. † 3 *pa* 501 W. 121
Nolte, F. C. 1 *pa* 127 Beebe ave., L. I. City
Nomland, K. *a* 538 W. 114
Noonan, R. L. 3 *c* 102 Oakland, Bklyn.
Norek, A. 4 *c* 1622 48, Bklyn.
Norris, N. † 3 *b* Brooks
Norris, R 1 *pa* 439 W. 123
North, C. J. *pl* 50 E. 73
Northrop I. M. † *gr ed* 415 W. 120
Northrop, J. H. *p* Hartley
Northrup, B. † 2 *pa*
Northwood, B. † 4 *ed* Whittier
Norton, A. E. † 4 *pa* Whittier
Norton, A. H. † *nm pa* 126 Claremont ave.
Norton, A. M. † 4 *pa* 519 W. 121
Norton, A. W. 2 *s* 614 W. 113
Norton, E. K. † *nm b* 106 Morningside Dr.
Norton, J. C. 1 *c* 562 W. 171

Norton, J. F. 1 *m*
399 York, Jersey City
Norton, T. 3 *c* 562 W. 171
Nowlan, F. S. *p* 547 W. 123
Noyes, E. J. † 3 *pa* Whittier
Noyes, E. J. *nm c* 532 W. 163
Noyes, M. † *nm ed* Dunellen
Nudd, H. W. *pl* Furnald
Nugent, L. † 2 *pa* Whittier
Nussbaum, S. 1 *m*
2961 W. 23, Bklyn.
Nyi, J. Z. T. *pl* Hartley
Nyland, F. C. 3 *s* 627 W. 113

Oak, D. † 1 *b* 146 W. 119
Oakley, E. † 2 *b* 150 E. 72
Oates, A. R. *pl* 600 W. 122
Oatman, M. E. † *pl*
2042 Fifth ave.
Oberle, L. † 1 *b*
39 Burnett, Maplewood
Oberrender, G. F. 2 *c* 565 W. 113
Obletz, S. *phar* 881 Sixth ave.
O'Brien, E. † 2 *b* 729 Park ave.
O'Brien, E. G. † *gr ed*
1324 Lexington ave.
O'Brien, F. P. *ph* South River
O'Brien, V. 2 *c* 140 West, Bklyn.
Obstfeld, E. A. 2 *l* 75 W. 128
Ochs, I. B. † 3 *j* 308 W. 75
O'Connell, C. † *gr ed* 119 W. 121
O'Connell, E. *p* 354 E. 79
O'Connell, M. † *p*
O'Connor, A. J. 3 *m*
77 Stanhope, Bklyn.
O'Connor, G. E. 2 *l*
440 Riverside Dr.
O'Connor, G. W. 3 *s* 268 W. 93
O'Connor, M. † *phar*
19 Church, White Plains
O'Connor, M. † 1 *pa*
37 Madison ave.
O'Dell, G. E. *nm ph* 2 W. 64
O'Donahoe, G. G. 3 *l* 416 W. 122
O'Donnell, A. M. † *nm pa*
140 Claremont ave.
O'Donnell, M. P. C † 1 *pa*
2681 Briggs ave.
O'Donohue, H. B. 1 *l* Livingston
O'Dowd, J. J. 2 *m* 418 W. 150
Oelrichs, H. 1 *l* 1 E. 57
Oerzen, E. M. † 4 *b*
1020 Woodycrest ave.
Ogilvie, P. M. *pl*
752 West End ave.
Ogomori, K. *nm c* 102 W. 123
O'Hagan, C. J. *phar* Portchester

O'Hara, G. W. *nm j* Hartley
Ohta, S. Y. *a* 101 Park ave.
O'Keeffe, G. † 1 *pa* 3089 B'way
O'Keeffe, L. L. † 4 *ed*
1284 Pacific, Bklyn.
Okuntsoff, E. † *pl*
178 Second ave.
Oldfield, I. E. † 2 *pa* 605 W. 156
Olds, L. *pl* 600 W. 122
O'Leary, M. L. † *nm pa*
Y. W. C. A., Yonkers
Olin, J. W. E. 3 *pa*
37 Orient Way, Rutherford
Olmsted, C. E. 4 *s*
1090 Amsterdam ave.
O'Loughlin, R. R. 1 *c* 611 W. 114
Olsan, I. M. 1 *m*
O'Malley, B. *phar*
O'Malley, C. A. 3 *c*
127 Elm, Yonkers
O'Neale, J. S., Jr. 4 *c* 600 W. 114
O'Neill, C. † 2 *pa* Whittier
O'Neil, F. J. 1 *m* 63 W. 106
O'Neill, E. F. † *p* 144 W. 98
O'Neill, E. R. 3 *pa* Park Ridge
O'Neill, J. A. *ph* 408 W. 115
Opdycke, L. H 518 W. 22
Oppenheim, S. 1 *c* 520 W. 122
Oppenheimer, F. † *pl* 31 W. 74
Oppenheimer, F. † 2 *b* 11 W. 87
Oppenheimer, F. S. 2 *j* Furnald
Oppenheimer, L. M. † 4 *b*
777 West End ave.
Orefice, V. M. *phar*
526 Second ave.
O'Reilly, V. J. 4 *c*
112 Bay View ave., Jersey City
O'Reilly, W. T. 4 *s*
8 Mt. Morris Pk. W.
Origgi, S. † 2 *b* 244 Spring
Orliansky, I. L. 2 *c*
49 Nelson Pl., Newark
Ormsbee, R. H. 3 *s* 616 W. 113
Ormsbee, T. H. 3 *c*
435 Macon, Bklyn.
Ormsby, S. S. † 3 *pa*
130 Claremont ave.
Ornstein, M. 1 *c* 530 E. 147
Orr, E. M. † *nm ed* Whittier
Orr, F. B. 1 *m* 346 W. 57
Orr, W. S. 3 *l* Livingston
Orthey, G. F. 3 *s* 538 W. 114
Osborn, D. † 3 *pa* Whittier
Osborn, L. † 4 *ed* 317 W. 93
Osbourne, A. *nm c*
1161 Amsterdam ave.
Osburn, W. J. *gr ed* 524 W. 122

Oschrin, E. † 1 *b*
133 Ogden ave., Jersey City
Osgood, H. S. 3 *c* 526 W. 150
Osserman, H. A. 3 *m*
17 Sterling Pl., Edgewater
Osswalt, O. H. 1 *c*
420 Kosciusko, Bklyn.
Osswalt, R. L. 3 *c*
420 Kosciusko, Bklyn.
Osterholm, C. A. † 4 *pa*
350 Bergen, Bklyn.
Osterholm, J. E. 1 *pa*
350 Bergen, Bklyn.
Osterholm, L. † *gr ed* 414 W. 121
Osterhus, G. K. *pl* Furnald
Osterhus, P. O. *gr ed*
Hackensack
Ostermann, F. J. 3 *pa* 500 W. 122
Ostrander, G. P. † 1 *pa* Whittier
Oswald, A. † *gr ed* 519 W. 121
Otsuka, S. *p* 600 W. 122
Ottermann, C. *gr ed* Furnald
Outwater, J. O. 1 *l* Furnald
Owen, C. 1 *l* 151 W. 131
Paashaus, L. F. † 3 *ed*
940 E. Grand, Elizabeth
Packard, F. L. *gr ed*
50 Midland ave., Montclair
Paddock, A. K. 2 *c* 149 W. 72
Paddock, A. M. † 4 *b* 149 W. 72
Paddock, E. H. 4 *s* 149 W. 72
Padwe, F. 2 *c* 297-4, Jersey City
Page, A. S. 4 *j* 105 E. 19
Page, G. R. 4 *s* Livingston
Page, P. † 2 *pa* 105 E. 19
Paine, A. M. † *gr ed* 537 W. 123
Palen, M. E. † 3 *pa*
4 Lincoln, New Rochelle
Palinsky, M. 1 *m*
4015 Thirteenth ave., Bklyn.
Palmer, C. A. † 2 *pa* 110 W. 91
Palmer, E. † 4 *b*
828 St. Nicholas ave.
Palmer, F. A. *ph* 600 W. 122
Palmer, G. † *nm ed* Whittier
Palmer, G. L. † 2 *b* Brooks
Palmer, H. L. *phar* 75 W. 68
Palmer, H. M. 2 *s* 312 W. 102
Palmer, H. W. 2 *c* Hartley
Palmer, M. † 2 *pa*
Spuyten Duyvil
Pang, C. M. *ph*
499 Washington ave., Bklyn.
Papazian, E. D. C. † 2 *b* 37 W. 37
Papazian, G. W. C. 1 *c* 37 W. 37
Pape, C. *ph*
811 Ocean Pkwy., Bklyn.
Pape, E. A. *phar* 501 E. 118
Papp, J. J. 1 *c* 160 Eagle, Bklyn.
Pardee, I. H. 4 *m* 74 W. 48
Pareis, E. M. † 3 *b* 77 Morton
Parham, E. R. *nm l* Livingston
Park, J. 2 *s* So. B'way, Nyack
Park, S. J. 1 *c* Hartley
Parker, E. M. † *ph* 523 W. 122
Parker, E. W. † 2 *b*
46 Halsey, Bklyn.
Parker, W. W. *gr ed* 411 W. 115
Parkhurst, A. † *nm ed*
Mt. Pleasant ave., Livingston
Parkhurst, D. † 1 *pa*
Chestnut, Englewood
Parkin, G. B. *ph*
40 Greenwood ave., Madison
Parks, G. B. *ph* Livingston
Parrish, C. E. *pl*
111 Montague, Bklyn.
Parry, E. J. *phar* 605 W. 184
Parsons, E. A. † 3 *pa* Whittier
Parsons, E. S. † 3 *pa*
70 Morningside Dr.
Parsons, G. F., Jr. *ph* 434 W. 120
Parsons, L. † *nm pa*
106 Morningside Dr.
Parsons, L. S. † *nm ph*
99 Park ave.
Parsons, M. † 4 *pa* Highwood
Parsons, S. L., Jr. 2 *l* 524 Fifth ave.
Partenheimer, H. P. *p*
Partrick, S. W. † *nm ed*
156 W. Palisade ave., Englewood
Partridge, T. D. 1 *l* 19 Fifth ave.
Pasachoff, H. D. 1 *m*
1526 Charlotte
Pascal, S. *phar* 180 Forsyth
Pascarella, A. J. 3 *s* Furnald
Pashley, W. H. *sp s* 601 W. 151
Passarelli, L. A. 1 *c* 301 E. 115
Pastel, E. † *ph* 9 Pinehurst ave.
Paszek, L. F. 4 *c*
298 Seventh ave., Bklyn.
Patron-Rizo, G. *p* Hartley
Patrick, M. M. † *gr ed* 430 W. 119
Patrick, S. L. † *gr ed* 420 W. 119
Patron, G. R. *nm s* Hartley
Patterson, B. S. † 1 *pa* Whittier
Patterson, C. † *sp b*
431 Riverside Dr.
Patterson, J. † 1 *b*
210 Riverside Dr.
Patterson, W. A. *pl* Ward's Island
Patterson, W. M. *ph* Furnald
Patteson, K. † 4 *pa* Tarrytown
Pattison, R. † 1 *pa* 609 W. 127

Patton, J. † *ph* 417 W. 120
Patton, L. R. † *nm ed* 419 W. 121
Paufve, R. E. *a*
29 Schermerhorn, Bklyn.
Paul, R. F. *gr ed*
Y. M. C. A., Morristown
Pauley, C. T. 1 *c* 540 W. 113
Paulonis, J. F. *phar*
229 No. 7, Bklyn.
Paulsen, A. E. † *gr ed*
228 Mt. Hope Pl.
Paulson, E. † 3 *pa*
182 Woodworth ave., Yonkers
Pawar, R. † 3 *ed* Whittier
Payne, F. M. † *nm ed*
36 De Forest ave., Summit
Payne, N. B. † 4 *ed* 423 W. 118
Paynter, R. H. *ph*
1205 Fulton, Bklyn.
Peach, A. H. † 4 *pa*
271 Parker, Newark
Pearce, C. C. 3 *l* Furnald
Peare, H. B. *a* 370 W. 120
Pearl, P. L. 4 *c* 234 Pulaski, Bklyn.
Pearlman, J. 3 *c* 481–16, Bklyn.
Pearson, G. I. † 3 *b*
1525–50, Bklyn.
Pearson, P. C. *ph*
27 Cottage Pl., Ridgewood
Peck, M. E. † 4 *ed* Whittier
Peebles, S. L. *nm p*
55 So. Maple ave., E. Orange
Peene, E. L. † 3 *pa*
54 Lamentine ave., Yonkers
Peene, G. M. † 2 *pa*
18 Wicker, Yonkers
Peeples, T. K. *nm l* Furnald
Peet, G. B. † 3 *pa* Whittier
Peet, R. † 3 *pa* 144 W. 93
Peikve, H. C. 3 *l* Livingston
Pell, V. D. 4 *s* 234 W. 122
Pellegrini, C. U. *a*
90 Morningside Dr.
Pellerano, S. † *gr ed*
2160–64, Bklyn.
Pelty, A. † 1 *pa* 890 West End ave.
Peltz, G. M. 4 *s*
123 Ithaca, Elmhurst
Pendery, A. E. † 4 *pa* Whittier
Pendleton, N. G., Jr. 2 *c*
8 Garden Pl., Bklyn.
Penfield, R. G. 4 *s*
198 & Ft. Washington ave.
Pengel, E. † 2 *pa*
621 Orvington ave., Bklyn.
Pennell, R. O. 1 *c*
15 Baldwin, Newark
Pennock, M. R. † 2 *b*
5 W. 91, Dunnellen
Pentecost, E. A. † 4 *pa* 606 W. 116
Peper, F. J. 2 *c* 578 Washington ave.
Peper, W. H. † *gr ed* 213 E. 68
Percy, H. C. † *ph*
978 Broad, Newark
Perea, J. A. 2 *c* 420 W. 118
Perea, S. 2 *c* 420 W. 118
Perham, B. † 4 *ed* 417 W. 120
Perkins, C. C. 1 *l* 15 E. 11
Perkins, G. W. *phar* Glen Cove
Perkins, J. R. 4 *c* Greenwich
Perkins, R. L. 2 *c* 538 W. 114
Perla, F. N. † *phar* 69 E. 108
Perla, L. 2 *c* 332 Chauncey, Bklyn.
Perlman, M. B. *pl*
949 St. Johns ave.
Perlman, P. † 2 *b*
949 St. Johns ave.
Perlzweig, W. A. *p*
1421 Prospect ave.
Perring, R. H. *nm ph* 519 W. 121
Perry, M. A. † *p* 11 W. 126
Perry, R. *pl* 184 Eldridge
Perry, R. R. 3 *c* 540 W. 113
Perry, W. S. *pl* 31 W. 64
Persky, A. 1 *c*
184 New Jersey ave., Bklyn.
Persons, M. E. † *gr ed* 537 W. 149
Petchtle, C. B. 1 *c*
135 Hamilton Pl.
Peters, F. F. 3 *s* 227 W. 99
Peters, I. L. *pl* 610 Riverside Dr.
Peters, J. S. † 1 *b* 227 W. 99
Peters, M. † 2 *pa* Whittier
Peters, M. K. † *gr ed* 515 W. 122
Peters, R. † 4 *pa* 2272 B'way
Peterson, C. W. 3 *s* 1 Convent ave.
Peterson, E. C. † *pl*
2112 Hermany ave.
Peterson, I. E. † *nm pa*
103 Belmont ave., Jersey City
Peterson, R. 4 *j* Furnald
Petrella, G. *phar* 181 Sand
Petri, E. *ph* 540 W. 122
Pettit, W. W. *gr ed* 633 W. 115
Petzel, C. L. 2 *s* 15 W. 126
Pfaltz, M. † 1 *b* 512 W. 122
Pfeffer, A. † 3 *b*
265 Seventh ave., Astoria
Pfefferkorn, B. † 3 *pa*
Harlem Hospital
Pfeiffer, W. P. 3 *c* 3495 B'way
Phelps, E. † 3 *pa* Whittier
Philbrick, M. P. *ph*
153 Manhattan ave.

Philhower, C. A. *gr ed* Chatham
Phillips, C. D. † 4 *pa* Cranford
Phillips, C. F. 1 *j*
838 West End ave.
Phillips, E. C. † 3 *ed*
54 Magnolia ave., Jersey City
Phillips, G. F. 1 *l* Newark
Phillips, G. H. † *nm ed* 414 W. 120
Phillips, M. † 2 *pa* Whittier
Phipps, F. H. 3 *s* Hartley
Piantiere, F. E. *phar* 366 Broome
Piantieri, R. E. *phar* 366 Broome
Pica, A. *phar* 342 E. 116
Picard, M. *ph* 175 Ninth ave.
Piccione, G. J. 2 *s* 55 Barrow
Piccirilli, P. J. 4 *s* 704 Eagle ave.
Pickett, R. E. 1 *c* 1222 Trinity ave.
Pickett, W. J. *p* Cooper Union
Pidot, S. L. *ph* 143 W. 97
Pieczonka, C. W. 1 *c* 524 W. 123
Piel, R. A. 1 *c* 536 W. 114
Pierce, E. † 3 *pa* 546 W. 124
Pierce, E. D. † *pl* Englewood
Pierce, E. K. † 3 *pa*
214 Prospect, Cranford
Pierce, H. † 1 *b* 315 W. 94
Pierce, L. W. † 2 *pa*
Croton-on-Hudson
Pierpont, J. H. † 4 *pa*
29 Church, White Plains
Pierson, R. N. 1 *m* 336 W. 58
Pignol, P. W. † *ph* 6 W 107
Pike, K. S. † *gr ed* 400 W. 118
Pilnacek, E. A. 3 *s* 370 W. 120
Pinck, J. L. *phar*
96 VanWinckle ave., Passaic
Pincus, S. 4 *s* 1800 Seventh ave.
Pine, M. † 3 *b* 2323 Loring Pl.
Pineda R. 4 *s* 608 W. 113
Pines, R. A. 1 *c* 1221–42, Bklyn.
Pines, W. 2 *s*
364 Hopkinson ave., Bklyn.
Pinkerton, E. D. † 1 *pa* Whittier
Pinkham, F. A. † *gr ed* Lynbrook
Pinney, M. N. † 4 *pa*
41 Stewart ave., Arlington
Pinto, A. *nm s* 115 Wadsworth ave.
Pipi, M. G. *phar*
350–1, Jersey City
Pipkin, E. E. † *ph* 519 W. 121
Piskel, G. † 1 *b*
251 McDonough, Bklyn.
Pistner, B. *ph* 189 Rodney, Bklyn.
Pitcairn, F. † *nm ed* 435 W. 119
Pitts, F. G. 2 *j* Furnald
Pizik, A. *phar* 417 Grand
Place, L. V., Jr. 2 *s* 237 W. 107
Place, R. H. 1 *c* 640 Madison ave.
Plaisted, E. † *pl* 101 W. 109
Plamandon, C. A., Jr. 3 *l* Furnald
Plank, L. R. *pl* 600 W 122
Plath, O. E. *ph*
1105 Amsterdam ave.
Platten, G. I. † *ph*
587 West End ave.
Plattler, F. J. *gr ed*
Platzker, J. S. *phar*
33 St. Marks Pl.
Plaut, E. *p* 28 E. 76
Pleus, H. 2 *c* 159 Sixth ave.
Plough, H. H. *p* 2805 Creston ave.
Plough, N. † 1 *b* 322 W. 100
Plummer, E. † *ph* 371 Madison
Plunkett, C. R. 3 *c* 75 E. 107
Podoloff, D. *a* Furnald
Pohl, F. J. *ph* Livingston
Pohlman, H. F. 1 *c* 540 W. 113
Pollack, S. H. † *ph* 227 Lenox ave.
Polley, A. A. † 4 *pa* 415 W. 118
Pollitzer, A. † 2 *b* 51 E. 60
Pollitzer, A. S. † 3 *pa* 31 W. 87
Pollitzer, M. † 4 *b* 51 E. 60
Ponemone, I. W. 2 *c*
453 Graham ave., Bklyn.
Ponsford, H. J. *a* Furnald
Poole, S. S. † 1 *b* Brooks
Pope, H. M. † *p* 160 Claremont ave.
Pope, M. A. † 3 *pa* Whittier
Pope, R. I. *ph*
412 Ave. C., W., Bklyn.
Popper, O. † 3 *b* 77 E. 89
Porcell, J. M., Jr. *nm l* 11 B'way
Porges, R. † 2 *pa* 92 & Madison ave.
Porter, A. † 1 *pa* Whittier
Porter, A. K. † *nm ph*
450 West End ave.
Porter, D. C. *gr ed*
1109 Amsterdam ave.
Porter, L. D. † 2 *b*
40 Morningside ave.
Porterfield, A. R. † *nm ed*
Portnow, D. E. *phar* 18 E. 105
Portz, H. O. *gr ed* Livingston
Posin, T. *gr phar* 32 Morrell, Bklyn.
Posner, H. 3 *s* 344 Rodney, Bklyn.
Post H. *ph* 175 Ninth ave.
Pott, K. † 1 *b* 304 W. 99
Pott, R. M. 2 *c* 304 W. 99
Potter, E. 3 *j* 419 W. 115
Potter, E. P. † 4 *pa* 505 W. 121
Potter, G. † 1 *b* Bronxville
Potter, H. H. *nm c* 515 W. 124
Potter, M. *nm c* 841 Beck

Potter, P. C. 1 *m*
Spuyten Duyvil
Potter, R. T. 2 *m* 346 W. 57
Powell, E. F. *nm s*
35 Vernon ave., Newark
Powell, E. M. † 3 *pa* 515 W. 122
Powell, M. A. † *pl* 509 W. 122
Powell, M. L. † 3 *b*
349 West End ave.
Powell, M. W. † 3 *pa*
915 President, Bklyn.
Powell, N. H. † *gr ed* 501 W. 121
Powell, R. F. C. † *nm pa* Whittier
Poynor, J. A. † *ph* 419 W. 121
Pranspill, A. 1 *c* 50 W. 106
Pratt, M. † *nm b*
214 Clinton ave., Bklyn.
Prendergast, T. H. 1 *c*
500–5, Bklyn.
Pressly, D. P. *ph* 372 W. 120
Preston, M. F. † 4 *pa* 417 W. 120
Preston, R. M. † *nm ed*
222 Union, Hackensack
Pretzell, P. *phar* 175 Claremont ave.
Price, B. † *ph* 518 W. 142
Price, I. I. 1 *c* 786 E. 183
Price, J. 4 *m* 786 E. 183
Price, M. † 4 *pa* Whittier
Price, M. McC. † 1 *pa* Whittier
Pringle, J. G. 2 *s* 3242 B'way
Pritchard, E. † *ph* 102 W. 93
Pritchard, E. W. † 2 *b* 419 W. 119
Pritchartt, A. M. † 2 *b* 405 W. 118
Pritchett, E. E. † *gr ed*
106 Morningside Dr.
Pritchett, K. † *gr ed*
106 Morningside Dr.
Prizer, M. C. † *gr ed*
43 Prospect, E. Orange
Probst, N., Jr. 1 *c*
52 St. Marks Pl.
Prochazka, J. A. 1 *c* 138 W. 13
Proffitt, C. G. 2 *c* Hartley
Propper, K. 3 *l* 643 Prospect ave.
Prote, J. C. *phar* 195 Main, Astoria
Prouty, T. R. *pl* Furnald
Pryor, B. † 3 *pa* 519 W. 121
Pryor, H. C. *gr ed*
1130 Orchard, Peekskill
Prussin, A. *phar* 62 E. 120
Puddicombe, D. † 2 *pa* Whittier
Puddington, A. † 4 *pa*
99 Madison ave., Madison
Pudney, W. K. 2 *m*
41 Union, Montclair
Pulleyn, V. † 4 *b* 171 W. 94
Punnett, P. W. *p* 182 Claremont ave.
Purcell, R. R. 3 *pa*
51 Quincey, Bklyn.
Purdy, H. A. † 1 *b*
Croton-on-Hudson
Purdy, J. H., Jr. 2 *l* 14 W. 122
Purefoy, L. † 3 *pa* Whittier
Purvis, S. E. † *ph* 417 W. 120
Putnam, H. R. *nm s* 39 W. 67
Putney, E. W. † *gr ed* 540 W. 122
Pyburn, P. F., Jr. 2 *s*
600 Franklin ave., Bklyn.
Pyle, E. 4 *m* 421 W. 57
Pyle, H. J. 2 *m* 400 W. 57

Quackenbos, G. P. *ph* 127 W. 73
Quackenbos, K. † 2 *b* 127 W. 72
Qually, S. † *nm ed* 501 W. 121
Quigg, H. T. † *ph* 417 W. 120
Quigg, M. T. 2 *l*
435 West End ave.
Quigley, T. E. 1 *m* 15 W. 60
Quinn, E. J. *gr ed* 501 W. 182
Quinn, H. 4 *s* Great Neck
Quinn, J. J. *nm s* 201 State, Bklyn.
Quinn, J. J., Jr. *gr ed* Hartley
Quinn, J. M. 1 *m*
814 Greenwood ave., Queens
Quint, W. S. 2 *m* 135 W. 104

Raabin, H. D. 4 *s*
129 Utica ave., Bklyn.
Rabinowitch, I. *phar*
674 Lexington ave.
Rabinowitz, H. † 1 *pa*
142 Manhattan ave.
Rabinowitz, H. R. 2 *c* 140 Henry
Rabinowitz, L. *phar* 36 Attorney
Rabinowitz, J. *phar* 134 Eldredge
Rabinowitz, R. † *phar*
165 Broome
Raby, M. M. † 4 *ed* Whittier
Race, S. E. *gr ed*
12 Winthrop Pl., Maplewood
Radcliff, C. † 1 *b*
54 Post, Yonkers
Radin, M. J. 3 *m*
1410 Madison ave.
Radley, H. C. 3 *ed* Stony Point
Rado, H. R. 3 *c*
142 S. Ninth ave., Mt. Vernon
Ragan, M. E. † 4 *pa* Whittier
Raggie, B. I. † *phar*
819 Pavonia ave., Jersey City
Ragon, O. E. † 4 *pa*
37 Fulton, E. Orange
Raguse, F. † 3 *ed* 3089 B'way
Rahman, W. 2 *s* Ossining

Rahmann, W. 3 *c* Ossining
Raines, M. A. 3 *c* 764 E. 161
Raisin, S. F. † *nm ed* 1655 Mt. Hope ave.
Ralston, R. † *sp b* 430 W. 119
Ramchandra, R. P. † *nm ed* 554 W. 114
Rampulla, J. J. *phar* 1422 Bergen, Bklyn.
Ramsey, G. H. 2 *m*
Randall, J. A. 3 *m*
Randall, R. † 4 *ed* 519 W. 121
Randall, R. R. 4 *j* 536 W. 114
Randall-Bent, M. A. R. † *ph* 23 West Castle Pl., New Rochelle
Randell, D. † 1 *b* 6 W. 111
Randolph, A. F. 3 *s* 209 E. 7, Plainfield
Randolph, E. D. *gr ed* 512 W. 123
Randolph, F. † 3 *b* Brooks
Randolph, I. † 4 *pa* 425 W. 114
Randolph, W. G. 3 *c* 630 W. 147
Rankin, B. 2 *m*
Rankin, M. E. † *gr ed* Whittier
Ransohoff, N. S. 2 *c* 308 W. 93
Raphael, J. S. 2 *l* 204 W. 143
Raport, J. *phar* 126a W. 127
Rappaport, J. L. 2 *l* 66 Ft. Washington ave.
Rascoe, L. G. *phar* 476 Boulevard, Bayonne
Raskin I, *gr ed* 12 E. 106
Rasori, F. 3 *s* 29 Stevens, L. I. City
Rathbone, G. † 1 *b* 130 E. 65
Rathell, W. C. *nm s* 422 W. 115
Ratner, C. H. *pl* 1233 St. Johns Pl., Bklyn.
Rau, H. † 1 *b* 319 W. 108
Ray, B. F. *pl* Westhampton
Ray, F. *p* Short Hills
Ray, M. L. † *ph* 119 W. 71
Rayens, C. E. 4 *s* 538 W. 114
Rayle, A. A., Jr. 3 *m* Livingston
Raymond, B. 2 *c* 517 W. 113
Raymond, C. 1 *c* 405 W. 118
Read, J. L. 3 *l* Livingston
Reagan, C. A. 1 *c* 1629 Park ave.
Reaser, D. Y. † 3 *b* 15 Arden Pl., Yonkers
Reaveley, J. *gr ed* Livingston
Reavis, G. H *gr ed* 527 W. 121
Recio, F. † 3 *pa* 468 Riverside Dr.
Rector, B. E. † *nm ed* 94 Lawrence
Reder, F. † *sp b* 564 Fox
Redfern, H. L. † 3 *pa* Whittier
Redifer, F. † 3 *pa* 503 W. 121
Redman, B. 1 *c* Bronxville
Redmond, J. L. *nm a* 701 Park ave.
Redmond, R. L. 1 *l* 701 Park ave.
Redpath, A. G. 1 *c* Hartley
Reed, A. † 1 *pa* Whittier
Reed, E. † *nm ed* 186 Chrystie
Reed, E. S. † 1 *pa* 624a-3, Bklyn.
Reed, F. S. † *ph* Whittier
Reed, L. P. 3 *l* 540 W. 122
Reed, R. R. *ph* 420 W. 116
Reed, R. W. † 3 *pa* Whittier
Reed, W. J. *a* 565 W. 113
Reeder, R. R., Jr. 3 *c* 565 W. 113
Rees, F. M. † 3 *b* 39 Claremont ave.
Reese, A. *nm l* 530 W. 122
Reese, C. H. *pl* 478 W. 145
Reese, R. 1 *c* 25 Lincoln Ter., Yonkers
Reese, R. A. 2 *j* Hartley
Reeves, G. G. † 4 *pa* 106 Morningside Dr.
Refrigier, L. E. † 1 *b* 416 W. 118
Refifer, F. † 3 *pa*
Regan, J. G. 1 *c* 160 Lorraine ave., Montclair
Regan, J. J. *phar* 248 Williams, Portchester
Reger, R. O. 4 *pa* 176 & Prospect ave.
Reges, E. † 3 *b* 304 Grand ave., Astoria
Rehlaender, D. L. 1 *c* Hartley
Reichardt, G. P. *phar*
Reichenbach, B. † *sp b* 45 W. 85
Reichard, L. G. 2 *s* 434 Central Pk. W.
Reichers, P. S. *nm c* 287 Hancock, Bklyn.
Reichle, H. S. 1 *c* Hartley
Reichling, G. A. *ph* 466 Nostrand ave., Bklyn.
Reid, A. † 2 *b* 418-73, Bklyn.
Reid, W. D. *gr ed* 521 W. 122
Reid, W. E. 4 *s* 217 E. 79
Reider, J. M. *phar* 795 E. 151
Reidy, K. † 3 *ed* 169 E. 90
Reigart, K. M. † 3 *pa* 31 Euclid ave., Yonkers
Reilly, M. M. † 3 *pa* Whittier
Reinheimer, C. † *ph* 609 W. 115

Reinheimer, H. E. 1 *c* 49 W. 70
Reinke, E. † 1 *b* 1174 Clay ave.
Reiss, G. A. 2 *l*
1038 Grove, Elizabeth
Reitman, E. *1 c* 143 Orchard
Reizenstein, E. L. *nm pl*
21 Claremont ave.
Remsen, M. J. 1 *l* Hartley
Renard, F. A. 3 *s* 216 W. 70
Repko, S. A. 2 *l*
Queens Rd., Queens
Replogle, I. B. † *p* 418 W. 118
Requa, C. † 2 *b* Brooks
Resnick, J. *phar* 191 Henry
Ress, C. H. † *nm pa* 240 W. 112
Rettker, W. F. 1 *c* 531 W. 113
Reuben, M. H. 4 *c* 205 W. 106
Reumann, O. G. *pl* 600 W. 122
Reuter, L. H. 1 *l* 419 W. 115
Reynolds, G. † *nm ed* 417 W. 120
Reynolds, J. B. 1 *m* 565 W. 113
Reynolds, K. G. *a* 25 W. 55
Reynolds, M. † *nm ed*
186 Stewart ave., Arlington
Reynolds, M. E. † *ph* 501 W. 121
Reynolds, R. † *ph* 501 W. 121
Reynolds, R. J. 4 *m* 307 W. 70
Rhinehart, A. E. 4 *c* 529 W. 124
Rhinelander, P. 1 *c* 612 W. 116
Rhoades, H. L. *pl* Livingston
Rhodebeck, E. J. 1 *c*
10 Cypress ave., Flushing
Rhodes, P. B. *phar*
Rice, F. W. 2 *m*
4701 Eleventh ave., Bklyn.
Rice, H. S. 2 *c* 530 W. 124
Rice, I. L., Jr. 4 *s* Hotel Ansonia
Rice, J. 4 *c* 2109 B'way
Rice, M. † *nm p* Hotel Ansonia
Rice, M. V. † *pl* Montclair
Rice, W. L. *pl*
55 Pierrepont, Bklyn.
Richard, E. K. 4 *c* 12 W. 103
Richards, H. *gr ed*
290 Hawthorne ave., Yonkers
Richards, J. K. 2 *c* 8 W. 112
Richards, L. 2 *m* 55 E. 65
Richards, M. E. † 3 *pa*
47 Claremont ave.
Richards, O. E. *pl* 512 W. 123
Richards, R. O. † 1 *b* Brooks
Richards, R. W. 2 *c* 616 W. 184
Richardson, C. B. † 4 *pa*
1055 College ave.
Richardson, G. A. *phar*
152 Virginia ave., Jersey City
Richardson, I. † 3 *pa* Whittier
Richardson, M. † 3 *pa* 7 W. 108
Richardson, W. C. *ph*
500 E. 18, Bklyn.
Richmond, B. † 1 *pa*
23 Mt. Morris Pk. W.
Rideout, C. W. † *gr ed* 633 W. 152
Ridley, J. T. † 1 *pa* Huntington
Riegelman, H. 2 *l* 166 W. 87
Ries, E. H. † 1 *b* 144 W. 111
Riggs, B. K. 3 *c*
434 Riverside Dr.
Riggs, R. J. *p* 610 W. 116
Riggs, R. R. 1 *l* 12 W. 44
Righi, A. H. 1 *c* 82 Washington Pl.
Riker, A., Jr. *p*
169 Clinton ave., Newark
Riker, J. M., Jr.
83 Lincoln Pk., Newark
Riley, B. H. † 3 *pa* Whittier
Riley, G. W. 2 *c*
1418 St. Marks ave., Bklyn.
Riley, J. L. *gr ed*
Riley, M. † *gr ed*
869 St. Johns Pl., Bklyn.
Riley, W. A. *p* 35 E. 77
Ripin, M. M. 1 *c*
1855 Seventh ave.
Riseley, J. H. 3rd 2 *j* 204 W. 118
Ritt, H. L. *ph*
253 Liberty ave., Bklyn.
Ritt, J. F. *p*
253 Liberty ave., Bklyn.
Rittenberg, B. † 3 *b* 5 W. 91
Rittenhouse, E. A. † *pl*
303 Claremont ave., Montclair
Ritter, H. 3 *ed*
857 Lafayette ave., Bklyn.
Ritter, H. J. 1 *c* 434 W. 164
Ritter, I. 1 *m* 243 E. 122
Ritti, M. M. † *p* 521 E. 84
Rivelson, S. M. 1 *c*
430 Sheffield ave., Bklyn.
Rivers, J. † 3 *pa* Whittier
Rives, F. B. 3 *l* 69 E. 79
Rizzo, P. A. *phar* 215 E. 118
Robb, A. T., Jr. 2 *c*
77 Pilling, Bklyn.
Robb, C. † 1 *b*
Fairview Pk., Tuckahoe
Robb, G. S. *pl*
Robb, K. E. 1 *c*
518 Beech, Richmond Hill
Robbin, L. 1 *m* 362 W. 57
Robbins, H. P. † *ed* 200 W. 105
Robbins, H. S. 1 *c*
804 Undercliff ave., Edgewater

Robbins, J. † 1 *b*
849 St. Nicholas ave.
Robertiello, A. 2 *m* 318 W. 15
Roberts, C. K. 1 *m* 170 W. 59
Roberts, C. M. 2 *l* Livingston
Roberts, G. B. 2 *j* 536 W. 114
Roberts, G. H., Jr. 3 *c* 540 W. 113
Roberts, H. L. 2 *s* 627 W. 113
Roberts, H. W. † 3 *j* Westfield
Roberts, I. E. † 4 *pa* Whittier
Roberts, M. † 4 *pa* Hempstead
Roberts, M. J. 1 *c* 520 W. 150
Roberts, R. E. *nm l* Hartley
Robertson, D. J. C. *pl*
834 Union, Bklyn.
Robertson, E. M. † *ph* Whittier
Robertson, H. W. 4 *j* 540 W. 113
Robertson, L. J. † 3 *pa* Whittier
Robeson, A. G. *ph*
378 Central Pk. W.
Robey, R. † *pl* 135 E. 52
Robin, E. J. *a* 21 Bay 17, Bklyn.
Robinson, A. C. 3d *a* Livingston
Robinson, A. E. † *gr ed*
285 St. Nicholas ave.
Robinson, A. M. † *p* 70 W. 164
Robinson, D. D. 1 *l* Hartley
Robinson, E. A. † *ph*
480 Clinton ave., Bklyn.
Robinson, E. M. † 4 *ed* 131 E. 15
Robinson, G. 2 *j*
823 Hunts Point ave.
Robinson, J. H. *pl* 15 W. 132
Robinson, L. R. 4 *c* E. Orange
Robinson, M. † *nm ed* Whittier
Robinson, M. E. † 4 *pa*
508 W. 114
Robinson, M. K. 2 *l* Livingston
Robinson, M. L. † *gr ed*
106 Morningside Dr.
Robinson, M. S. 2 *c* 16 E. 110
Robinson, R. E. † *gr ed*
121 & Amsterdam ave.
Robison, L. † 1 *pa*
348 Fulton ave., Mt. Vernon
Robison, L. † *nm ed*
1089 Prospect, Bklyn.
Roche, A. S. 1 *c* Furnald
Roché, J. A. 4 *s* 102 W. 90
Rockman, A. S. 3 *s*
199 Columbia, Bklyn.
Rockwell, R. L. 1 *m* 565 W. 113
Rodman, N. 2 *s* 124 W. 102
Roesler, M. *p* Great Neck
Rogers, A. L. † *gr ed* Whittier
Rogers, A. L. *phar*
303 Lockwood, Astoria
Rogers, C. E. *gr ed* 530 W. 122
Rogers, G. G. 2 *c* 435 W. 117
Rogers, E. F. † *pl* 414 W. 118
Rogers, H. K. † 4 *pa* Whittier
Rogers, H. M. † 4 ed 601 W. 144
Rogers, H. W. 3 *c* 240 E. 51
Rogers, J. W. 3 *c* Hotel Hermitage
Rogers, M. W. † *gr ed*
436 Audubon ave.
Rogers, R. R. 1 *c*
227 Linden, Bklyn.
Rogers, R. B. 2 *m* 260 W. 72
Rogers, S. † 2 *b*
49 Locust, Flushing
Rogers, S. L. † *nm pa*
2643 B'way
Rogers, W. A. 3 *c* 501 W. 121
Roland, P. W. 4 *s* 3178 Park ave.
Rolf, I. P. † 3 *b* 710 Oakland Pl.
Roll, R. † *p* 201 E. 82
Rome, S. J. 1 *pa* 83 Ave. B
Romeo, D. 3 *s* 752 E. 226
Romig, E. B. *pl* 600 W. 122
Rönne, C. E. *a* 431 W. 117
Roome, S. † 4 *b* Brooks
Root, E. K. † 4 *pa* 621-11, Bklyn.
Root, G. F. *a* 309 W. 92
Root, I. L. † 4 *ed* Whittier
Root, W. R. 4 *c* 614 W. 113
Ropes, J. M. *nm s*
Englewood Cliffs
Ros, M. † 2 *b*
808 West End ave.
Rosalsky, M. D. 4 *s*
1847 Madison ave.
Rosanoff, L. † *p* 509 W. 121
Rosati, V. *phar*
685 Vernon ave., L. I. City
Rose, H. A. 1 *c*
111 No. Ninth ave., Mt. Vernon
Rose, I. † *ph*
287 Claremont ave., Montclair
Rose, J. M. 1 *l* Furnald
Rose, M. † 4 *pa* Whittier
Rose, S. A. *nm c*
Block Island
Rose, S. E. *nm ph* Madison
Roseff, A. 2 *l*
113 W. 4, Mt. Vernon
Roseman, S. I. 4 *c*
1860 Seventh ave.
Rosen, A. 1 *j*
25 Meserole, Bklyn.
Rosen, B. 4 *ed* 3100 B'way
Rosen, H. W. 1 *c*
166 Pulaski, Bklyn.
Rosen, I. 1 *c* 29 Herbert, Bklyn.

Rosenbaum, J. † 2 *b* 215 W. 101
Rosenberg, A. *phar* 318 E. 119
Rosenberg, D. *phar* 758 E. 168
Rosenberg, J. D. 2 *c* 62 E. 83
Rosenberg, J. H. *phar*
1339 Prospect ave.
Rosenberg, M. *phar* 101 W. 143
Rosenblum, D. I. 1 *c*
346 Bradford, Bklyn.
Rosenbluth, M. † 1 *b* 51 W. 117
Rosenfeld, A. A. † *ph* 530 W. 124
Rosenfeld, H. M. † 1 *pa*
668 Riverside Dr.
Rosenfeld, R. † 2 *pa*
1043 Morris ave.
Rosenfeld, S. *phar*
726 Cauldwell ave.
Rosenkranz, P. 3 *pa* 86-1
Rosemann, D. 3 *m* 606 W. 140
Rosenson, T. H. † 1 *pa*
63 Morton, Bklyn.
Rosenstein, H. † 3 *b* 545 W. 111
Rosenstock, F. M. 1 *l* 600 W. 165
Rosenthal, A. 1 *c* 15 W. 112
Rosenthal, D. C. *ph*
961 St. Nicholas ave.
Rosenthal, G. J. *p* 388 B'way
Rosenthal, H. *phar* 7 E. 113
Rosenthal, J. *ph* 1383 Fifth ave.
Rosenthal, J. M. *gr phar*
767 Dawson
Rosenthal, M. S. 1 *c* 26 W. 90
Rosenzweig, J. 1 *c*
227 Moore, Hackensack
Rosenzweig, L. *phar* 844 Dawson
Rosenzweig, M. 1 *m*
Rosin, L. *phar* 123 E. 101
Ross, A. † *ph*
251 Littleton ave., Newark
Ross, C. C. *sp s*
195 Claremont ave.
Ross, F. A. *pl* Livingston
Ross, V. C. 3 *l* 429 W. 117
Ross, W. N. *pl* 600 W. 122
Rotgard, I. 3 *c* 1703 Fulton ave.
Roth, L. *gr ed*
1654 Lexington Ave.
Roth, P. A. 1 *c*
600 West End ave.
Rothberg, I. H. 3 *l*
410 Madison ave., Plainfield
Rothenberg, D. M. 4 *c*
1994 Fulton, Bklyn.
Rothenberg, W. 2 *c*
1246-39, Bklyn.
Rothenstein, J. A. 4 *ed*
400 Vernon, Bklyn.
Rothman, A. 2 *j* 64 E. 4
Rothschild, J. L. 3 *l*
1338 Lincoln Pl.
Rothschild, M. † 1 *b* 145 W. 85
Rothstein, H. Z. 3 *l*
531 St. Pauls Pl.
Rothwell, A. C. 1 *l* 144 W. 76
Rotkowitz, H. 1 *l* 12 E. 85
Rotkowitz, H. S. 4 *s* 182 E. 72
Roudin, H. F. *phar*
335 Saratoga ave., Bklyn.
Roulstone, W. B. 2 *l*
51 Chambers
Round, R. A. † 3 *pa*
106 Morningside Dr.
Rovelstad, E. A. 3 *j* Furnald
Rovenger, L. *phar* 974 E. 179
Rovillain, E. E. 4 *c* 322 W. 115
Rowan, R. W. 2 *c* 616 W. 113
Rowell, C. M. † 3 *pa* 509 W. 122
Rowell, O. B. † 3 *pa* 620 W. 122
Rowland, E. † 3 *b* 371 W. 120
Rowland, F. H. 2 *c* 531 W. 113
Rowland, W. T. *ph* Furnald
Roy, M. M. *nm l*
Grand View, Nyack
Royce, H. † 1 *pa*
Tenafly Rd., Englewood
Royer, L. M. † *ph*
106 Morningside Dr.
Rubel, F. R. 3 *l* Furnald
Ruben, J. † 2 *b*
1118 Madison, Bklyn.
Rubenstein, F. E. † 1 *b*
183 Hooper, Bklyn.
Rubenstein, J. H. 3 *c*
360 Reid ave., Bklyn.
Rubin, H. S. 3 *c*
315 B'way, Bayonne
Rubin, I. *phar* 336 E. 8
Rubin, S. 2 *l*
100 Williams ave., Bklyn.
Rubinfeld, S. A. *phar* 210 Stanton
Rubinstein, E. J. *phar*
1327 Wilkins ave.
Ruble, J. J. 3 *l* 435 W. 117
Rudd, J. S. *a* 400 West End ave.
Ruderman, L. M. 2 *m* 72 W. 118
Rudolph, M. † 4 *b* 414 W. 121
Rudolphy, J. B. 4 *m*
116 Bloomfield, Hoboken
Rugoff, S. *phar* 1188 Simpson
Ruhl, A. G. † 2 *b*
34 Winthrop ave., New Rochelle
Rukeyser, M. S. 2 *j*
790 Riverside Dr.
Rulow, R. S. *phar* Bay Shore

Runnels, R. O. *gr ed* Maplewood
Rushfeldt, E. † *ph* 500 W. 122
Rushmore, E. 3 *l* Furnald
Rusk, R. L. *ph* Hartley
Russ, P. W. 3 *c* 903 Prospect ave.
Russakow, F. W. 1 *c*
1625-46, Bklyn.
Russell, D. M. † *ph* 611 W. 158
Russell, G. P. *nm p* 25 W. 65
Russell, J. E., Jr. 1 *c* 500 W. 121
Russell, M. H. † *gr ed* 524 W. 122
Russen, H. G. † *gr ed* 547 W. 123
Russo, J. L. *ph* 542 W. 124
Russo, J. M. R. *phar* 52 Spring
Rust, E. C. † 3 *pa* Whittier
Rustedt, M. B. † *ph* 400 W. 118
Ryan, J. F. 1 *l*
465 Morris ave., Elizabeth
Ryan, J. J. 1 *c* 164 W. 126
Ryerson, J. 2 *c* Bellerose
Rypins, H. 4 *j* 352 W. 118
Ryskind, M. 2 *j* 511 W. 146

Sabelson, A. M. † 2 *b* 48 W. 117
Sabloff, F. G. † *pl* 5 W. 114
Sacharoff, L. S. 2 *c*
41 Graham ave., Bklyn.
Sachs, A. P. *p*
1209 Washington ave.
Sachs, E. † 2 *b* 40 W. 117
Sachs, J. *phar* 347 E. 10
Sachs, S. *ph* 160 E. B'way
Sachs, S. E. A. *ph* 40 W. 117
Saffer, A. *phar* 820 Minada
Safir, S. R. *p* 1107 Prospect ave.
Sagendroph, M. A. † *ph* Brooks
St. John, G. E. † 3 *b* Brooks
Sakamoto, Y. *pl* 815 W. 179
Sakson, M. W. *phar* 557 W. 144
Saliva, E. † 3 *pa* Whittier
Salm, R. W. *phar*
600 Monroe ave., Elizabeth
Salom, R. † 3 *b*
179 and Washington ave.
Salomon, A. V. *p* 1065 Simpson
Salomon, M. L. † *p* 56 W. 115
Salomonsky, E. A. *a* 616 W. 116
Salisbury, H. A. *nm a* 215 W. 23
Salutsky, J. B. *pl* 1051 E. 165
Salvatore, P. J. 2 *c* 508 E. 116
Salwen, E. 4 *c* 1526-43, Bklyn.
Salzman, E. † 2 *b*
5413 Fifteenth ave., Bklyn.
Salzman, M. *ph* 348 W. 58
Samek, C. H. 1 *c* 322 E. 71
Sammis, W. H. 2 *s* Hartley
Samuels, L. 1 *l* 64 W. 124
Samuels, S. S. 3 *c*
1165 Sterling, Bklyn.
Samworth, R. P. 3 *c* Hartley
Sanborn, A. † 1 *b*
468 Riverside Dr.
Sanborn, M. L. † 1 *pa* 519 W. 121
Sanborn, V. G. 4 *c* 201 W. 117
Sanborne, G. G. *gr ed*
2053 Seventh ave.
Sandahl, J. W. *phar* Glen Cove
Sandalls, G. T. 1 *c*
2028 Creston ave.
Sanders, E. *gr ed* 26 E. 117
Sanders, G. 3 *c*
14 Morningside ave.
Sanders, T. M. 4 *m* 562 W. 113
Sandhusen, L. H. *pl* 600 W. 122
Sanford, F. D. 2 *l* 147 Ave. B
Sanford, H. R. 1 *l* Furnald
Sands, W. H. 4 *c* 512 W. 123
Sandstein, L. M. *p* 240 W. 72
Sanger, E. M. 2 *j*
730 Riverside Dr.
Sanmann, L. F. 3 *m*
Sanson, G. † *gr ed* 412 W. 115
Sapiro, D. *p* 2251-83, Bklyn.
Sarachek, J. 3 *c* 233 Monroe
Sarafian, K. *gr ed* 505 W. 124
Sargent, M. † 2 *pa* Whittier
Sasscer, I. † *nm ed* 248 E. 34
Saul, A. M. † 2 *b* 124 W. 77
Saul, B., Jr. 2 *s* 175 E. 112
Saulpaugh, L. M. 1 *c*
1023 Grand Concourse
Saunders, E. † 4 *ed* 479-2, Bklyn.
Saunders, N. A. † 4 *pa* 501 W. 121
Savage, J. W. *ph*
16 Morningside ave.
Saville, R. M. 1 *c* 292 W. 92
Sayer, F. M. † 4 *b* 208 W. 119
Sayford, M. E. † 1 *b*
258 Midwood, Bklyn.
Saylor, R. B. *p*
Sayre, E. B. † 4 *b* Brooks
Sbarboro, J. G. 1 *c*
Palisade ave., Fort Lee
Scales, S. B. 4 *s*
62 Garrison ave., Jersey City
Scardaccione, A. A. 1 *c*
669 E. 183
Scarlett, A. J., Jr. *p* Furnald
Scatchard, G. *p* Furnald
Sceva, L. 4 *c* 523 W. 135
Schachter, M. F. 1 *m*
565 Eastern Pkwy., Bklyn.
Schad, F. 2 *s* 565 W. 113

Schaedle, T. G. 1 *c*
277 Manhattan ave., Bklyn.
Schaefer, K. A. W. 1 *j* Furnald
Schaefer, N. R. † 4 *ed* Whittier
Schaeffer, L. † 2 *b* 416 E. 175
Schaeffer, M. F. † 4 *ed* 302 W. 92
Schafer, M. S. † *sp b*
25 W. 85
Schaff, J. † *p* 723 Oakland Place
Schaffer, M. P. 1 *l* Furnald
Schang, F. C., Jr. 4 *j* 166 W. 129
Schantz, C. T. *phar*
67 W. 20, Bayonne
Scharmann, A. C. 3 *l*
834 Lafayette ave., Bklyn.
Schatz, J. *phar* 460 Brook ave.
Schatz, L. M. 1 *l*
535 Manhattan ave.
Schechter, A. E. † *sp b*
468 Riverside Dr.
Schede, J. W. 2 *s*
280 No. Fulton ave., Mt. Vernon
Schellenberg, R. † 3 *pa*
224 Carlton ave., Bklyn.
Schenck, W. R. 1 *c* 41 E. 29
Scherpich, E. A. 3 *c* 540 W. 113
Schiff, E. † 1 *b*
275 Central Park W.
Schiff, J. H. 1 *c*
275 Central Park W.
Schiffenhaus, I. † 3 *pa*
126 Johnson ave., Newark
Schiffman, C. D. 3 *s* 142 W. 112
Schindler, C. R. † 1 *pa* 600 W. 136
Schlang, L. † 1 *b* 435-4, Bklyn.
Schlauch, M. † 1 *b*
Hasbrouck Hghts.
Schleicher, E. R. † 1 *pa*
172 So. Arlington ave., E. Orange
Schleicher, V. H. *pl* Furnald
Schleiter, F. *ph* 800 E. 173
Schlesinger, B. † 3 *pa*
275 Central Park W.
Schlesinger, D. 1 *c* 256 W. 97
Schleussner, R. C. 3 *m* 360 W. 23
Schloeman, L. † 4 *pa* Whittier
Schloss, C. *ph* 903 Prospect ave.
Schlueter, E. R. *pl* 600 W. 122
Schmalzried, E. W. 2 *m* 437 W. 59
Schmelzel, J. H., Jr. 1 *c* 18 W. 56
Schmerer, M. *phar* 276 Ave. A
Schmidt, E. † 4 *b*
317 High, W. Hoboken
Schmidt M. † 4 *pa* 720 W. 181
Schmidt, R. H. *nm p*
93 Sussex, Hackensack
Schmitt, H. M. † 3 *pa* 515 W. 122
Schmitt, J. B. † *nm ed*
464 Irving ave., Bklyn.
Schmitt, R. L. 2 *c* 540 W. 113
Schmitz, A. L. † *ph* 519 W. 121
Schmuckler, J. H. *pl*
1427 Madison ave.
Schneider, H. W. 4 *c* 417 W. 120
Schnieb, A. A. † *gr ed* Whittier
Schoder, E. C. † 1 *pa*
2438 Morris ave.
Schoenberg, D. *phar* 117 E. 100
Schoenberg, P. *phar* 37 W. 98
Schoenbrod, E. J. 1 *c*
1923 Daly ave.
Schoenfeld, J. W. 1 *l* 107 W. 43
Schoenfeldt, E. N. † *ph* 991 E. 167
Schoenhals, M. K. † 4 *ed*
540 W. 122
Schoenzeit, E. 3 *c* 37 E. 7
Scholl, L. A., Jr. 3 *s* 419 W. 115
Scholz, T. 3 *m* 66 E. 236
Schonberg, M. *pl* 888 Fox
Schoonover, F. S., Jr. 1 *m*
Schorr, M. L. † *gr ed*
2426 Grand ave.
Schott, M. † 4 *ed* 700 W. 178
Schrader, F. *p* Hartley
Schradiecker, C. E. *p*
515-62, Bklyn.
Schragenheim, B. † 4 *ed*
231 West End ave.
Schram, C. F. N. 3 *m*
Schrenkeisen, R. M. 1 *c*
1070 Madison ave.
Schriever, J. H. 1 *c* New City
Schulman, S. † 1 *b*
213 Penn, Bklyn.
Schulte, A. † 2 *b* 132 E. 23
Schultz, B. † *nm pa* Whittier
Schulte, H. A. 2 *c* 604 W. 114
Schultz, A. *phar* 890 E. 172
Schultz, L. *phar*
836 Whitelock ave.
Schumaker, M. V. † *gr ed*
530 W. 122
Schuman, E. † 1 *b* Brooks
Schumann, C. H., Jr. 4 *s*
580 E. 165
Schuster, M. L. 2 *c* 449 W. 163
Schutz, B. † *nm ed* 60 E. 61
Schuyler, G. † 3 *b* 509 W. 142
Schwabe, I. *nm ph* 414 W. 121
Schwable, B. B. † 4 *ed*
280 Ft. Washington ave.
Schwan, R. 4 *ed* 435 W. 119
Schwanda, C. B. 1 *c*
138 Grove, Winfield

Schwanda, W. E. 2 *c*
133 Grove, Winfield
Schwarte, V. M. † *ph* 3089 B'way
Schwartz, A. 4 *s*
2152 Belmont ave.
Schwartz, D. *phar* 912 Tiffany
Schwartz, I. A. *p* 146 E. 78
Schwartz, J. 3 *l* 46 Pike
Schwartz, L. *nm c* 514 W. 134
Schwartz, M. † 3 *pa* Whittier
Schwartz, M. *phar* 321 E. 10
Schwartz, P. 1 *c*
212 Washington, Jersey City
Schwartz, S. 2 *l*
301 W. Kinney, Newark
Schwarz, F. I. † 4 *pa* Whittier
Schwarz, H. 2 *c* 603 W. 111
Schwarz, H. S. *ph*
251 Lafayette ave., Bklyn.
Schwarz, M. W. 4 *s* 471 W. 140
Schwarz, P. 2 *l* 121 E. 10
Schwarzkopf, C. B. † 1 *pa*
138 W. 95
Schwed, I. 3 *l* Furnald
Schweitzer, D. J. *pl* 32 W. 115
Schweitzer, J. C. 1 *c* 168 E. 78
Schwetz, A. *phar* 124 W. 99
Schwier, E. H. 1 *c*
1752 Gates ave., Bklyn.
Schwiers, A. † *ph*
234 So. Third ave., Mt. Vernon
Scilipoti, L. W. *phar*
1726 Van Buren
Scofield, G. W. 2 *c*
362 Riverside Dr.
Scofield, L. S. 1 c
362 Riverside Dr.
Scofield, R. W. *1 c*
87 Macon, Bklyn.
Scott, A. C. † *nm ed* Englewood
Scott, C. A. † *gr ed* Nutley
Scott, F. M. † 1 *pa* Whittier
Scott, H. † 2 *b* Brooks
Scott, H. M. *pl* 600 W. 122
Scott, H. S. † 1 *pa*
165 No. Fulton ave., Mt. Vernon
Scott, J. M. † 4 *pa* Whittier
Scott, K. † 3 *ed* Whittier
Scott, R. *gr ed* 606 W. 135
Scott, R. W. 68 W. 116
Scott, S. M., Jr. *nm s* Cranford
Scovil, E. A. † *sp b* 414 W. 121
Scribner, E. C. † *pl* 135 E. 52
Scribner, G. K. 2 *s* Hartley
Scully, F. J. 2 *j* Furnald
Seadler, A. B. 1 *j* 416 W. 122
Seadler, M. B. † 1 *b* 416 W. 122
Seadler, S. F. 2 *j* 416 W. 122
Seal, H. C. *pl* Livingston
Sealy, D. F 1 *c* 173 W. 81
Seaman, E. A. † *ph* 430 W. 119
Seaman, J. A. 2 *m*
Searight, H. F. † *gr ed* 8 E. 37
Searing, L. E. † *gr ed*
137 Clarewill ave., Montclair
Searle, E. † 2 *pa* Whittier
Sears, M. E. † *gr ed*
318 No. Seventh ave., Mt. Vernon
Sears, M. L. † 3 *pa* 414 W. 121
Seay, H. H., Jr. *pl* Livingston
Secttor, F. † 1 *pa* Whittier
See, C. S. 4 *c* Furnald
Seelig, I. *a* 296 Bradford, Bklyn.
Seelye, L. H. *pl* 600 W. 122
Segal, M. *ph*
301 St. Nicholas ave.
Segee, G. R. † *gr ed* 405 W. 118
Seidlin, J. 4 *ed* 605 W. 142
Seidman, L. *ph* Furnald
Seiferd, E. † 2 *pa* 320 E. 86
Seiferling, K. F. J. A. 2 *s*
131 Webster ave., Bklyn.
Seiff, H. J. 4 *m* 164 E. 119
Seipp, E. † 3 *b*
188 Claremont ave.
Seitz, J. E., Jr. 3 *s*
184 Hunterdon, Newark
Seldowitz, M. 2 *c*
600 Fifth ave., Bklyn.
Seligman, R. C. † *nm pl* 38 E. 50
Selikowitz, W. *a*
1017 Intervale ave.
Sellards, K. L † *gr ed* Whittier
Semmes, D. R. *p*
Semon, J. *phar*
1554 Jamaica ave., Woodhaven
Sen, S. *p* Furnald
Senft, W. J. *phar* 855-60, Bklyn.
Sengstaken, C. W. 2 *s* 558 W. 113
Senner, C. † *sp b* 348 W. 123
Sepilveda, B. A. † *nm ed* Whittier
Sergeant, W. A. † 1 *pa*
Corcoran Manor, Mt. Vernon
Sermolino, M. † 2 *b* 40 W. 8
Sesta, J. A. *phar*
388-1, Jersey City
Sexton, C. † 2 *b* Brooks
Seymour, M. F. † *gr ed*
420 W. 121
Shackleton, C. E. † *ph* 219 E. 27
Shafer, E. † *nm ed* 82 W. 105
Shafer, M. H. † *nm ed* 503 W. 121
Shaffer, R. L. *gr ed* Morristown

Shalleross, A. L. † *nm ed*
130 Claremont ave.
Shalom, I. A. 1 *c* 75 E. 110
Shanholt, H. 3 *c*
385 Sackman, Bklyn.
Shanholt, H. H. 3 *c* 2 W. 107
Shank, J. I. *phar*
183 Spruce, Newark
Shanker, M. P. *pl* Furnald
Shannon, H. P. † 1 *pa* 31 W. 12
Shannon, J. V. *gr ed* 515 W. 122
Shapard, A. † *nm ed* 519 W. 121
Shapiro, C. S. 1 *c*
70 McKibben, Bklyn.
Shapiro, I. F. 4 *m*
716 Fairmount Place
Shapiro, L. 3 *s* 121 Sherman ave.
Shapiro, M. *phar*
965 Amsterdam ave.
Shapiro, M. † 1 *pa*
4602 Thirteenth ave., Bklyn.
Shapiro, N. 1 *c*
68 McKibbin, Bklyn.
Shapiro, T. A. 1 *c* Hartley
Shapiro, W. *ph* 174 Essex
Sharfin, A. *phar* 1481 Fifth ave.
Sharon, J. A. *gr ed* 509 W. 122
Sharrard, H. † 3 *pa* 537 W. 121
Shavelson, A. B. 1 *c*
88 W. 53, Bayonne
Shaver, H. N. *nm l*
240 Mohawk, Cohoes
Shaviro, N. *ph*
966 Amsterdam ave.
Shaw, A. I. † 4 *ed* Whittier
Shaw, C. † *nm pa* Whittier
Shaw, C. G., Jr., *a*
434 Riverside Dr.
Shaw, E. L. † *gr ed*
435 Convent ave.
Shaw, F. D. 2d 1 *l*
434 Riverside Dr.
Shaw, M. E. † *p* 520 W. 122
Shea, E. H. 3 *c* 627 W. 115
Shealy, W. B. 2 *c* Hartley Hall
Shear, S. A. *ph* 1129 Teller ave.
Shears, L. A. *ph* 203 W. 103
Shears, R. M. 2 *c* 203 W. 103
Sheehan, P. S. 4 *ed* 129 E. 97
Sheets, G. † 3 *pa* 523 W. 122
Shehan, M. † 3 *b*
1974 Richmond Ter., Port Richmond
Sheldon, B. S. 2*c* 21 W. 54
Sheldon, C. † *pl* 611 W. 111
Sheldon, E. S. W. † 3 *ed*
50 Morningside Dr.
Sheldon, W. R. † 2 *pa* Whittier
Shepard, L. A. 1 *m* 346 W. 59
Shepard, R. F. 2 *c*
120 So. 11, Newark
Shepherd, A. R. 1 *l* Hartley
Shepherd, W. E., Jr. *a* 16 E. 69
Sheppard, E. E. † 4 *ed*
95 State, Hackensack
Sheppard, T. T. 1 *m* 346 W. 57
Sherburne, J. S. 2d 1 *m* Furnald
Sherer, G. † *gr ed*
27 Washington Sq.
Shereshensky, O. *phar* 85 Ave. B
Sheridan, J. A. *p* 206 E. 17
Sheridan, S. J. 2 *s* 420 W. 259
Sherinyan, W. 3 *pa* Hartley
Sherline, B. † 1 *b* 1893 Vyse ave.
Sherman, D. D. † 1 *pa*
159 Forsyth
Sherman, H. † 4 *pa*
243 Woodworth ave., Yonkers
Sherman, M. W. † 1 *pa*
1006 Trinity ave.
Shevlin, M. J. 1 *c* 193 Monroe
Shibley, G. S. 3 *m* 434 W. 164
Shibley, M. 2 *c* 63 W. 96
Shields, J. † 4 *pa* Whittier
Shields, R. McC. *ph* Livingston
Shientag, J. 3 *l* 50 W. 119
Shigo, A. G. † 1 *pa* Whittier
Shimatani, R. *pl*
80 Manhattan ave.
Shimer, H. E. *gr ed* Newton
Shimmon, J. M. 1 *c* 550 W. 114
Shipley, J. T. *pl* 508 W. 162
Shircas, H. *p* 124 Boerum, Bklyn.
Shlevin, E. L. 2 *c*
161 No. 6, Bklyn.
Shluger, A. L. *pl* 307 Henry
Shofner, H. B. 1 *l* Livingston
Sholes, S. 3 *l* 228 Ave. A
Short, L. L. 2 *l* 780 Madison ave.
Shove, B. E. 1 *l* Furnald
Shrive, L. † 3 *b*
305 Warburton ave., Yonkers
Shuford, L. S. 1 *c* 9 W. 102
Shugart, F. C. 4 *m*
Blackwell's Island
Shukri, A. 3 *l* Livingston
Shuler, J. W. *nm l* 417 W. 118
Shultz, A. M. † 3 *pa* Whittier
Shumacher, E. G. † 4 *ed*
512 W. 122
Shumway, W. *p* 472 E. 18, Bklyn.
Shupp, D. L. † 3 *ed*
42 Riverside Dr.

Shupp, M. R. † *pl*
42 Riverside Dr.
Shuster, C. N. 4 *ed* Hartley
Shutt, E. R. 2 *l* Livingston
Sibbald, J. O. 2 *m* Hartley
Sibley, W. M. *gr ed*
106 Morningside Dr.
Sickels, I. 1 *c* 604 W. 115
Sidenberg, C. L. † *pl* 157 W. 57
Siebenmorgen, W. *nm s* Westfield
Siebern, W. † *pa*
182 Jewett ave., Jersey City
Siebert, F. T. *phar*
110 W. Park ave., Corona
Siegel, B. 2 *c* 267 W. 89
Siegel, F. † 2 *b* 741 Jennings
Siegel, F. 4 *pa* Tottenville
Siegel, F. A. † 2 *b*
167 Ashburton ave., Yonkers
Siegel, J. 4 *c* 203 W. 117
Siegel, M. 3 *s* 20 E. 79
Siegler, J. 3 *c*
237 Newark ave., Jersey City
Siegrist, M. † *ph* 515 W. 122
Siena, W. R. *phar*
25-15, College Point
Sienknecht, M. L. † *ph*
106 Morningside Dr.
Siff, M. † 2 *b* 1117 Forest ave.
Siglar, G. E. † 1 *pa* 72 W. 124
Silberstein, N. *gr ed*
160 Manhattan ave.
Silbert, S. 2 *m* Furnald
Silliman, H. E. 4 *s*
13 Schenck ave., Bklyn.
Silliman, J. E., Jr. 1 *c*
680 St. Nicholas ave.
Silva, J. *nm l* Livingston
Silver, G. † 4 *ed*
44 Morningside Dr.
Silver, M. I. *nm c* 995 Simpson
Silverman, E. L. † *ph* 246 W. 129
Silverman, H. † *phar* 93 E. 111
Silverman, I. 2 *s*
30 Riverdale ave., Yonkers
Silverman, L. *phar* 93 E. 115
Silverman, S. *gr ed* 409 W. 129
Simanovsky, A. S. 1 *m* 10 W. 98
Simboli, C. *pl* 237 E. 104
Simkin, R. L. *gr ed* 600 W. 122
Simmonds, F. H. 4 *s*
49 Caroline ave., Yonkers
Simmons, I. † *gr ed*
167 Joralemon, Bklyn.
Simmons, K. C. † *gr ed*
167 Joralemon, Bklyn.
Simmons, M. P. † 3 *b*
142 Woodworth ave., Yonkers
Simon, H. *pl* 320 E. 77
Simon, J. *phar* 1502 Bryant ave.
Simon, M. 1 *c* 514 W. 121
Simonds, E. F. *p*
54 Morningside ave.
Simonds, F. M., Jr. 3 *c*
434 Riverside Dr.
Simons, N. M. 1 *c* 309 W. 99
Simonson, A. † 3 *pa* Hollis
Simpson, H. N. *gr ed*
213 Park ave., E. Rutherford
Simson, C. L. † 3 *pa* 547 W. 123
Sinberg, A. *pl* 316 E. 84
Sinclair, E. *phar* 208 W. 69
Sinclair, G. M. *pl* 511 W. 122
Sinclair, M. † *gr ed* Whittier
Sindelar, C. *gr ed* 644 E. 170
Singer, A. 3 *l* 312 Stevens
Singer, I. *phar* 712 Second ave.
Singer, I. N. 1 *c* 20 E. 100
Sinnigen, J. C. 1 *c*
599 Bainbridge, Bklyn.
Sinopoli, E. † *gr ed* 3089 B'way
Sinsheimer, H. † 1 *b*
285 Central Park W.
Sirkin, J. *phar*
120 Mulberry, Newark
Sisk, M. L. † *nm ed* Whittier
Skasko, L. *phar*
1 Colin, Yonkers
Skidmore, M. S. † *nm ed*
106 Morningside Dr.
Skine, H. † 1 *b* 305 W. 120
Skinner, D. † 4 *b* 230 W. 101
Skinner, B. A. † *nm ed* 414 W. 121
Skinner, H. E. *gr ed*
Skipp, H. J. *ph* 164 W. 74
Skrivanek, R. 1 *c* Hartley
Skydanek, B. *phar* 364 E. 72
Slatkin, H. 4 *m* 68 E. 97
Slavin, H. *phar*
1535 Minford Place
Slawson, E. L. † 1 *pa* 76 W. 127
Slayton, M. H. 4 *c* 16 E. 114
Slevin, M. E. † *ph*
467-1, Bklyn.
Sloan, J. † 3 *ed* 420 W. 121
Sloan, R. A. † 4 *pa* Whittier
Slobodkin, L. *phar*
1442-70, Bklyn.
Sluth, E. † 1 *b* 577 E. 8, Bklyn.
Smart, H. † *nm pa* Whittier
Smart, W. † 3 *pa* 4241 B'way
Smedira, N. *phar* 163 Mott
Smilari, M. A. 3 *s* 940 E. 180

Smith, A. C. *nm l* Livingston
Smith, A. DeF. 4 *m*
400 Convent ave.
Smith, A. H. 2 *l* 512 W. 123
Smith, A. R. † *nm ed*
415 Washington ave., Bklyn.
Smith, A. W. † *nm ed* 519 W. 121
Smith, A. W. † 4 *pa* Whittier
Smith, B. G. 2 *l* 5 W. 125
Smith, B. R. 2 *s* 608 W. 113
Smith, C. B. 1 *c* 104 Prospect Pl.
Smith, C. B., Jr. 2 *l* 616 W. 113
Smith, C. A. † 1 *b*
87 Mahar ave., Clifton
Smith, D. A. † *gr ed* 519 W. 121
Smith, E. C. 1 *l* Furnald
Smith, E. C. 2 *c* 1 Chelsea Square
Smith, E. F. *gr ed*
311 Chestnut, Roselle Park
Smith, E. J. *phar* 125 E. 84
Smith, E. T. 2 *l*
Huguenot Park, S. I.
Smith, F. C. 3 *pa*
102 Monroe, Bklyn.
Smith, F. E. † 4 *pa* Whittier
Smith, F. E. † 3 *pa* 503 W. 121
Smith, F. J. *gr ed*
212-1, Union Hill
Smith, F. M. *gr ed* Hartley
Smith, G. A. 4 *c*
46 Gold, Port Chester
Smith, G. B. 3 *m* 55 Hart, Bklyn.
Smith, G. E. † 3 *pa* 523 W. 121
Smith, G. H. † 4 *pa* Whittier
Smith, G. M. † *nm pa* 421 W. 121
Smith, H. A. *phar*
Smith, H. B. 2 *s* 540 W. 113
Smith, H. C. 2 *s*
1833 Bathgate ave.
Smith, H. E. 4 *m*
420 Riverside Dr.
Smith, H. M. † 4 *pa* Whittier
Smith, H. V. † 3 *b*
946 Boulevard, Astoria
Smith, H. W. † *pl* 320 W. 91
Smith, H. W., Jr. *phar*
156 No. Ocean ave., Patchogue
Smith, I. † 3 *ed* 509 W. 122
Smith, I. D. 4 *s* 129 W. 69
Smith, I. L. *phar*
688 B'way, Bklyn.
Smith, I. M. † 1 *pa* Clifton
Smith, J. *phar* 80 E. 115
Smith, J. F. † 3 *pa* 311 W. 95
Smith, J. S. *pl* Furnald
Smith, K. 3 *c* 633 W. 115
Smith, K. C. † 4 *pa* 525 W. 120
Smith, L. B. *gr ed*
97 Vista Place, Mt. Vernon
Smith, L. G. † *gr ed* 322 W. 113
Smith, L. G. 4 *ed* 322 W. 113
Smith, L. V. 4 *pa* Hartley
Smith, M. † *gr ed*
197 Gates ave., Bklyn.
Smith, M. *gr ed*
106 Morningside Dr.
Smith, M. *phar* 18 Norfolk
Smith, M. A. † 3 *pa* 338 W. 72
Smith, M. C. 1 *c* Peekskill
Smith, M. E. † 2 *pa* 422 W. 119
Smith, M. F. † 4 *pa*
393 Prospect ave., Hackensack
Smith, M. K. † *ph* 660 W. 180
Smith, M. L. † 3 *pa*
Greenwood ave., Richmond Hill
Smith, M. L. † 3 *pa* 21 W. 122
Smith, M. W. *pl* Livingston
Smith, N. C. 3 *l* Livingston
Smith, P. 2 *j* Livingston
Smith, P. J. *phar*
Cedar Lane, Ossining
Smith, R. B. 2 *j* Hartley
Smith, R. B. 1 *c*
103 Glenwood ave., E. Orange
Smith, R. G. *pl* Livingston
Smith, R. K. † *ph*
86 De Mott ave., Clifton
Smith, S. W. 4 *s* Hartley
Smith, T. E., Jr. 3 *l* Hartley
Smith, W. A. *phar* 208 W. 69
Smith, W. L. 3 *l* Baldwin
Smith, W. S. *p* Furnald
Smithers, A. F. 2 *s* 425 W. 144
Smithline, S. *phar* 63 W. 143
Smythe, C. F. *nm l* 426 W. 160
Snavely, G. E. *gr ed*
1050 Amsterdam ave.
Snider, A. M. † *ph*
2 So. 8, Newark
Snow, C. C. *p* Livingston
Snow, E. M. † *gr ed* 500 W. 121
Snow, M. † *gr ed* 2020 B'way
Snow, R. † *gr ed* 49 E. 123
Snow, W. B., Jr. 1 *c* 2020 B'way
Snyder, A. C. *phar* 540 W. 113
Snyder, A. M. † 4 *ed*
130 Claremont ave.
Snyder, B. C. 1 *c*
11 Belmont ave., Jersey City
Snyder, E. † 1 *pa* Whittier
Snyder, E. W. † 3 *pa* 435 W. 117
Snyder, F. H. 4 *m* Hartley
Snyder, M. † 1 *b*
99 Claremont ave.,

Sobel, J. M. 1 *l* 616 W. 114
Sobel, N. 1 *m* 41 Ave. B
Sobel, P. *phar*
53 Montgomery, Newburgh
Sobin, J. 4 *m*
655 Boulevard, Bayonne
Sockman, R. W. *pl* 600 W. 122
Soderstrom, G. A. 2 *m* 400 W. 57
Sohon, F. W. 4 *s* 1344 Chisholm
Sokohl, J. N. *pl* 130 E. 117
Sokoloff, A. N. 2 *s*
24 Lewis ave., Bklyn.
Sokolsky, G. E. 2 *j* 915 Fox
Solano, J. A. *phar*
213 W. 3, Mt. Vernon
Solender, S. S. 3 *pa* Pleasantville
Solomon, A. *phar* 14 W. 115
Solosko, A. † *phar*
151 Myrtle ave., Jersey City
Solovei, S. 2 *m*
68 Thatford ave., Bklyn.
Somberg, J. S. 2 *c* 18 E. 105
Somers, C. J. *phar*
894 Montgomery, Jersey City
Somers, H. A. *phar*
894 Montgomery, Jersey City
Somerville, I. B. *gr ed*
35 Wetmore ave., Morristown
Somerville, R. *ph* 477 Hudson
Sommer, B. 3 *l* 1350 Madison ave.
Sommerville, W. B., Jr. 2 *s*
404 Riverside Dr.
Sonn, I. M. † 4 *pa*
89 Sherman Pl., Jersey City
Soons, S. G. C. 2 *l* 554 W. 114
Sooysmith, H. † 1 *b* Brooks
Soskin, L. † 4 *b* 595 Beech Ter.
Souder, M. A. † 3 *pa*
Sours, W. A. † 2 *b*
316 Westchester ave., Portchester
South, C. N. † 4 *pa* 547 W. 123
Sovey, R. 4 *pa*
334 No. Ter. ave., Mt. Vernon
Sowar, L. S. 1 *c* Hartley
Spalding, S. C. 4 *s* 538 W. 114
Spalthoff, W. D. 1 *l* 540 W. 113
Spark, P. E. † 1 *b*
51 St. Nicholas ave.
Sparkman, C. F. *ph* 54 W. 10
Sparkman, E. I. † 2 *pa*
448 William, Paterson
Spear, E. H. *pl* 175 Ninth ave.
Spearing, J † *gr ed* Whittier
Speer, J. L. 1 *m* 111 W. 82
Spence, P. S. 4 *pa*
16 Central Park W.
Spencer, D. L. † *ph* 255 W. 90
Spencer, F. D. 1 *m* 346 W. 57
Spencer, M. A. *ph* 600 W. 122
Spencer, W. L. *gr ed*
634 Crotona Park W.
Sper, F. *ph*
216 Graham ave., Bklyn.
Sperling, M. M. 2 *c* 216 W. 98
Spero, S. D. 1 *c* 1885 Seventh ave.
Sperry, S. L. † 1 *pa* Whittier
Spicer, M. † 3 *pa* 612 W. 115
Spiegler, C. 2 *s*
365 Sutter ave., Bklyn.
Spier, D. J. † *p* 209 Dyckman
Spier, F. 2 *c* 209 Dyckman
Spiero, G. B. 3 *j* Hartley
Spingarn, S. 3 *c*
442 Clinton ave., West Hoboken
Spissman, F. J. *nm a* Furnald
Spitz, E. E. 1 *c* 210 W. 21
Spitzer, E. R. 1 *c* 16 Arden
Spofford, P. C 1 *c* Port Chester
Spohr, W. † *gr ed* 501 W. 120
Sporn, P. 2 *s* 63 Canal
Sposta, C. A. *phar* 21 Spring
Spottiswood, W. *phar* 506 W. 177
Sprague, L. G. † 3 *pa* Edgewater
Springer, W. M. 4 *s*
1308 Bushwick ave., Bklyn.
Springmeyer, F. T., Jr. 2 *c*
550 W. 114
Springsteed E. H. 3 *c*
1409 Vyse ave.
Sproat, A. M. † *nm ed* 519 W. 121
Spruill, M. J. † *nm b* Whittier
Sprung, J. 2 *s* 126 W. 118
Spurgeon, R. H. *a* 370 W. 120
Spurny, E. 2 *s*
802 Second ave., Astoria
Squires, M. C. † 3 *pa* Whittier
Staats, W. A. 1 *c* 28 Beekman Pl.
Stadie, W. C. 3 *m* 270 Willis ave.
Stahl, B. † *pl* 2365 Davidson ave.
Stahl, F. A. 1 *c* 674 E. 240
Stall, H. L. † 2 *pa* 620 W. 116
Stalton, P. D. 4 *c* Hartley
Stanbrough, D. † 4 *b* 306 W. 103
Stander, N. † 2 *b*
1488 Bryant ave.
Stanford, D. M. † 4 *pa*
Greenwood ave., Richmond Hill
Stanford, F. C. 2 *l* 435 W. 117
Stanford, J. L. *p* Furnald
Stanley, A. L. † 3 *pa*
94 Lawrence
Stanley, E. † 3 *pa*
Woodcliff-on-Hudson

Stanley, E. M. † *ph*
27 Lawrence, Yonkers
Stanley, S. T. 4 *m*
420 Pacific, Bklyn.
Stannard, M. F. † *gr ed* Whittier
Stanton, A. N. *pl* 600 W. 122
Staples, J. † 2 *b*
120 N. Columbus ave., Mt. Vernon
Staples, T. S. *pl* 411 W. 115
Starbuck, F. I. 2 *s* Hartley
Starham, M. † 4 *ed* Whittier
Stark, E. P. † 4 *ed* 525 W. 120
Stark, M. M. *p* 106 E. 81
Stark, W. E. *gr ed*
328 Union, Hackensack
Starke, E. P. 2 *c* 532 Decatur
Starling L. † *gr ed* 523 W. 121
Starr, E. C. † *ph*
71 Bloomfield ave., Passaic
Starr, S. † 4 *pa*
468 Riverside Dr.
Starratt, R. M. † *gr ed* 537 W. 121
Starrett, A. M. † *nm ed*
414 W. 121
Staver, W. W. *gr ed* Englewood
Steacy, F. W. *gr ed* Hartley
Stearns, C. G. 2 *l* Hartley
Stearns, G. R., Jr. 3 *l* Furnald
Stearns, R. L. 2 *l* Hartley
Stearns, W. W. 4 *m*
185 Saratoga ave., Yonkers
Stebbins, V. M. † *sp b* Brooks
Steckel, P. F. *ph*
1388 Lexington ave.
Stecker, L. I. † *ph* 435 W. 119
Stecker, W. W. 1 *c*
995 Union ave.
Steckler, E. L. 3 *l* 61 W. 88
Steegar, W. H. *gr ed*
22 Hobart Place, Garfield
Steel, J. A. 4 *m* 503 W. 172
Steel, M. E. † 3 *pa* 558 W. 162
Steele, I. M. † *nm ed*
15 Claremont ave.
Steen, J. D. *ph* 419 W. 115
Steese, S. M. † *gr ed* 501 W. 120
Steffens, J. S. 3 *s*
180 Utica ave., Bklyn.
Stehlby, E. T. 4 *s*
153 Clinton ave., New Rochelle
Stehlin, O. M. † *ph*
162 St. Nicholas ave., Bklyn.
Stein, J. F. 1 *c*
117 Sixth, W. New York
Stein, M. † 1 *b* 605 W. 113
Stein, M. 4 *c* 226 W. 140
Stein, N. H. † *pl* 501 W. 122
Steinberg, R. A. *p*
1006 Stebbins ave.
Steinbruch, H. 2 *s*
206 Eighth ave., Bklyn.
Steiner, C. I. 2 *c*
596 Jackson ave., L. I. City
Steiner, H. 1 *c* Furnald
Steiner, L. 3 *c*
51 Baldwin ave., Newark
Steiner, W. H. 3 *c* 219 E. 71
Steinhardt, A. *phar* 544 Fox
Steinhardt, L. A. 3 *l* 23 E. 92
Steinhoff, K. L. 1 *m* 2492 Elm Pl.
Steinholz, R. 3 *m* 106 W. 115
Steinman, B. 1 *l* 416 E. 81
Steinman, H. *phar*
63 New Lotts Rd., Bklyn.
Steinman, I. 1 *m* 416 E. 81
Steinschneider, F. † 1 *pa*
Hastings-on-Hudson
Steinthal, J. † 3 *b* 123 E. 91
Stenbuck, J. B. 2 *m*
422 DeKalb ave., Bklyn.
Stenquist, J. L. *gr ed* Livingston
Stephens, L. W. *gr ed*
83 Rugby Rd., Bklyn.
Stephenson, R. A. 3 *c* 574 W. 131
Stephenson, R. A. B. 1 *m*
574 W. 31
Sterman, M. 1 *c* 71 E. 109
Stern, A. 1 *c* 39 Front
Stern, D. † 2 *b*
3220 Glenwood Road
Stern, D. M. 2 *j* 241 W. 113
Stern, D. S. 3 *c* 115 Division
Stern, L. 3 *c*
506 Evergreen ave., Bklyn.
Stern, N. W. † *ph* 403 W. 115
Stern, R. M. *pl*
141 Mayflower ave., New Rochelle
Stern, S. D. 3 *l*
181 Claremont ave.
Steuer, B. 2 *l* 509 E. 82
Steuven, H. C. † *nm b*
130 Claremont ave.
Stevens, A. A. † 3 *pa*
884 Argyle Road, Bklyn.
Stevens, A. M. 4 *m*
227a Willoughy ave., Bklyn.
Stevens, C. E. 4 *s*
71 Hillside Place, Newark
Stevens, F. A. *gr ed*
97 Prospect, Ridgewood
Stevens, H. C. *p* 616 W. 113
Stevens, H. K. † 1 *b*
2094 Fifth ave.

Stevens, J. † *nm b* 129 E. 10
Stevens, M. E. † 1 *pa* Whittier
Stevens, M. M. † *gr ed* Whittier
Stevens, M. M. † 2 *b*
2094 Fifth ave.
Stevens, M. S. † *ph*
Colbath House, Morristown
Stevens, N. C. 4 *m* 421 W. 57
Stevenson, C. † *nm ed* 466 W. 146
Stevenson, J. McG. *ph* 600 W. 122
Steves, B. C. *phar*
Stewart, C. H. † 1 *b* 130 W. 67
Stewart, E. † 1 *b* 503 W. 124
Stewart, E. G. † *p* 457 W. 123
Stewart, J. H. † 4 *pa* 617 W. 127
Stewart, J. L. 3 *pa*
8 Baldwin Pl., Jersey City
Stewart, K. B. † 1 *b* 425 W. 118
Stewart, M. † 3 *pa*
125 Riverside Dr.
Stewart, M. 3 *l* 565 W. 113
Stewart, M. W. † *p*
1058 Sterling Place, Bklyn.
Stewart, R. R. *p* 512 W. 171
Stickland, G. I. † 2 *b*
444 Classon ave., Bklyn.
Stickney, A. M. † 1 *pa* Whittier
Stiebeling, H. A. † *gr ed*
269 Tenth ave., Astoria
Stiles, E. † 4 *b* 250 W. 129
Stiles, H. E. D. † *p*
708 Ocean ave., Bklyn.
Stillman, J. W. *p* Hartley
Stillman, M. W. † *sp b*
830 Park ave.
Stillman, W. A. 1 *m* 142 W. 91
Stillman, W. M. 4 *c* 540 W. 113
Stilwell, M. E. † *gr ed*
46 S. Walnut, E. Orange
Stinson, J. W. *nm l*
490 Riverside Dr.
Stitt, E. W., Jr. 2 *l*
1543 St. Nicholas ave.
Stobaugh, C. J. † *nm pa*
430 W. 118
Stobaugh, C. W. † 4 *ed*
430 W. 118
Stobaugh, F. A. † 1 *pa*
Englewood
Stockbridge, H. † 1 *b* 509 W. 122
Stockdale, G. M. *pl* 600 W. 122
Stockly, H. A. 4 *s* 618 W. 113
Stockton, E. M. † 3 *pa*
Englewood
Stockton, K. E. 1 *l*
Paramus Road, Ridgewood
Stoddard, A. G. † 4 *pa* Whittier
Stoff, C. G. † 3 *b*
32 Mt. Morris Park W.
Stokes, V. † 4 *b* Brooks
Stoll, G. *phar*
774 Bergeline ave., W. New York
Stone, C. G., Jr. 4 *s*
273 Rich ave., Mt. Vernon
Stone, G. A. † *p* 3305 B'way
Stone, G. H. W. 1 *l* 612 W. 116
Stone, M. 2 *s* 208 W. 140
Stone, S. G. 1 *c* 7 W. 10
Stork, W. L. 4 *s*
212 Hancock ave., Jersey City
Storer, D. † 4 *b* Glen Cove
Storms, D. A. † 1 *pa* Whittier
Storms, D. E. † 3 *pa* Dobbs Ferry
Stout, J. P. *gr ed* Lakehurst
Stout, P. D. *ph* 600 W. 122
Stout, R. *ph* 360 E. 195
Stover, S. 2 *c* 536 W. 114
Stowell, C. R. † *pl*
435 Riverside Dr.
Stowell, R. † *gr ed* 160 W. 73
Stowell, R. K. *ph*
67 Green Ave., Madison
Stowell, W. A. *p*
140 Kent, Trenton
Stradford, C. F. 3 *l* 49 E. 132
Strahan, J. W. 1 *l* 415 W. 118
Strang, B. B. *gr ed*
301 Lafayette ave., Bklyn.
Strang, J. A. 3 *s* 616 W. 113
Strasser, W. E. *phar*
861 Union ave.
Stratton, G. F. *gr ed* Livingston
Strauch, J. M. 1 *c* Hartley
Strauch, M. W. † 2 *b* 25 W. 94
Strauss, F. A. *p* Hartley
Strauss, I. D. 3 *l* 523 W. 113
Strauss, S. W. 4 *c* 33 W. 91
Strawman, C. M. *nm l* Furnald
Streger, P. 1 *c*
80 Church, New Rochelle
Street, C. L. *ph* 175 Ninth ave.
Strickland, H. A. 2 *c*
Port Washington
Strieby, M. E. 3 *s* 511 W. 122
Strisower, B. *phar* 131 Ave. A
Stromsoe, S. † 2 *b*
335 Hoyt, Bklyn.
Strong, A. H. † *gr ed* 265 Henry
Strong, H. T. † 4 *ed* 94 Lawrence
Strong, E. D. *pl* 511 W. 122
Strong, H. F. *pl* 600 W. 122
Strongin, D. E. † 1 *pa*
60 Jewel, Forest Hills

Strongin, H. F. *phar*
910 Prospect ave.
Strouse, I. S. 1 *c* 157 W. 123
Struck, F. T. *gr ed*
Y. M. C. A., Orange
Strumwasser, S. 3 *m* 973 Fox
Struss, M. † 2 *b*
882 Sterling Place, Bklyn.
Stuart, H. C. 1 *m*
275 West End ave.
Stuart, W. H. *gr ed* 431 W. 121
Stubel, M. † 3 *pa*
465 West End ave.
Studwell, S. A. 2 *l* 616 W. 113
Stull, J. † *nm pa* Whittier
Stumpf, B. B. † *gr ed*
53 Hawthorne ave., E. Orange
Suchoff, L. † *pl* 9 E. 106
Suckley, A. R. L. 2 *c* 41 E. 80
Suckow, M. † 3 *pa* Whittier
Sullivan, A. S. † *pl* 59 W. 12
Sullivan, F. L. 1 *c* Furnald
Sullivan, G. † 1 *pa* 503 W. 121
Sullivan, G. G. 1 *c*
49 Central ave., Ossining
Sulzberger, S. U. 3 *c* 22 E. 89
Surdam, M. J. † *gr ed*
42 Park ave., Mt. Vernon
Surgeoner, A. M. † 2 *b*
14 Locust Hill ave., Yonkers
Susevitz, N. *phar* 181 E. B'way
Sussman, F. *phar* 58 E. 105
Sussman, H. A. 4 *m*
165 Floyd, Bklyn.
Sussman, S. 2 *s* 101 First ave.
Sutton, B. † *ph*
397 Sterling Place, Bklyn.
Sutton, R. M. † 3 *pa* 537 W. 123
Sutton, W. H. *pl* 600 W. 122
Suydam, J. R., Jr. *p*
414 Madison ave.
Svigelsky, D. *phar* 107 W. 143
Svirsky, M. 3 *c*
755 New Jersey ave., Bklyn.
Swan, S. D. *p*
Swann, H. J. *ph* 350 W. 120
Swartz, P. A. *pl* 124 E. 28
Sweeney, H. J. P. *p*
244 Tyler, Trenton
Sweeney, J. G. 4 *c* Furnald
Sweet, M. † 4 *pa*
57 Cliff ave., Yonkers
Sweet, M. H. † 1 *pa* Whittier
Sweet, W. N. 3 *m* 346 W. 57
Sweeting, C. L. *gr ed* Paterson
Swenson, H. E. *nm l*
101 Glenbrook Rd., Stamford
Sweinhart, E. M. † *nm pa*
417 W. 120
Swift, A. L. *pl* 600 W. 122
Swift, G. C. *gr ed*
Swift, O. P. 1 *j*
Hastings-on-Hudson
Swinburn, R. E. 1 *c*
39 Poplar ave., Hackensack
Swink, D. C. 3 *c* 2040 Fifth ave.
Swinnerton, R. 2 *l*
351 Clifton ave., Newark
Swisher, A. M. † 4 *pa* Whittier
Swords, A. T. 3 *l*
1921 Davidson ave.
Sykes, F. B. † *pl*
54 Hamilton Ter.
Syles, M. K. † *pl* 135 E. 52
Sylvania, L. E. † *ph*
211 Passaic, Hackensack
Syze, F. V. † 1 *pa*
121 Franklin ave., New Brighton
Sze, T. Y. *p* 403 W. 115

Taber, J. H. 2 *c* 120 Convent ave.
Tabirini, E. † 2 *b* 170 Academy
Tabor, E. G. 4 *c*
44 Sterling Pl., Bklyn.
Taddanio, A. *phar*
Taflinger, C. O. † 3 *pa* Whittier
Taft, D. R. *pl* 400 W. 118
Tai, E. *pl* Hartley
Takabaski, S. *pl* 40 Post ave.
Takagi, K. *pl* 102 W. 123
Takagi, S. *nm pl* 102 W. 123
Talbot, L. † 3 *b* Brooks
Talbot, M. V. † *nm pa* 415 W. 118
Talmadge, H. *pl* 538 Madison ave.
Talmage, M. V. D. † 2 *b* 607 W. 116
Tam, T. Y. *p* 417 W. 118
Tamburrelli, H. 2 *s*
2185 Arthur ave.
Tanaka, H. *gr ed* 415 W. 120
Tanberg, A. P. *p* Furnald
Tannenbaum, F. 3 *l* Livingston
Tanner, H. B. *ph* 974 Aldus
Tansy, E. C. † *nm ed*
Irvington-on-Hudson
Tanzola, J. J. *p* 162–9, Bklyn.
Tapia, A. 4 *ed* 164 W. 122
Taplin, E. G. *p* Livingston
Tarallo, C. *phar* 21 Bedford
Tarbox, O. C. 3 *pa* 63 Grove, Lodi
Tarnopoll, L. 2 *s* 70 Chester, Bklyn.
Tarshis, G. J. † 1 *pa* 523–10, Bklyn.
Tartt, P. B. 2 *s* Leonia
Tashof, J. J. 4 *c* 145 E. 38
Tassinari, C. A. *phar* 499 W. 133

Taub, S. *phar* 1644 Park ave.
Taylor, A. † 2 *pa* 315 Central Pk. W.
Taylor, B. K. 1 *l* 890 Park Pl., Bklyn.
Taylor, C. A. † 1 *pa*
166 Second ave., Astoria
Taylor, D. W. 3 *s* 101 W. 88
Taylor, G. E. *phar* 208 W. 69
Taylor, G. M. B. † *nm pa*
435 W. 119
Taylor, H. A. † 3 *pa* Whittier
Taylor, H. C. *gr ed* Livingston
Taylor, H. W. 4 *m* 156 E. 38
Taylor, L. B. † 3 *pa* Whittier
Taylor, L. E. † 2 *b* 552 W. 186
Taylor, L. M. † 1 *b* 251 W. 103
Taylor, M. A. † 4 *pa* 294 W. 92
Taylor, M. S. † *p* 212 W. 120
Taylor, T. C. 4 *s*
105 So. Fifteenth ave., Mt. Vernon
Taylor, W. D. 3 *c* 540 W. 113
Tea, M. A. † *ph* 75 W. 92
Teall, D. J. † 1 *b*
93 High, Glen Ridge
Teall, H. P. 2 *c*
189 Ashland ave., Bloomfield
Tear, L. G. *gr ed* 523 W. 121
Teas, E. M. † *nm ed*
91 Hooper, Bklyn.
Teed, I. † 4 *pa* 414 W. 118
Teel, H. G. *pl* Furnald
Teepe, V. I. † 2 *b*
43 Arlington ave., Jersey City
Tefft, H. † 1 *pa*
454 Riverside Dr.
Temple, A. H. 2 *j* Hartley
Temple, J. † 3 *pa*
239 Central Pk., W.
Tenopyr, O. 4 *c*
2915 Glenwood Rd., Bklyn.
Tenus, E. M. † *ph*
146 Central Pk. W.
Terhune, B. R. *gr ed*
10 Belmont Circle, Trenton
Terhune, I. G. † 3 *pa*
802 Montgomery, Jersey City
Terrell, A. L. *gr ed* 417 W. 121
Terrett, M. † *gr ed* 95 Rivington
Terriberry, E. † 1 *b* 120 W. 73
Terriberry, M. † 4 *b* 120 W. 73
Terrill, E. † 3 *pa* Rahway
Terrill, H. M. *gr ed* Rahway
Terry, L. *gr ed* 314 W. 115
Terry, M. K. † 2 *b*
540 Manhattan ave.
Terry, P. W. *gr ed* Livingston
Tesiero, T. R. *phar*
Tessohn, I. M. 2 *s* 810 Elton ave.
Tetelman, H. *phar* 525 E. 146
Thacher, C. O. 3 *c* 531 W. 113
Thaler, E. I. *phar*
2949 W. 21, Coney Island
Thatcher, A. S. † *ph* 501 W. 120
Thatcher, H. W. 1 *c*
825 Greene ave., Bklyn.
Thayer, E. R. *nm a* 540 W. 113
Theisen, W. W. *gr ed* 410 W. 115
Thellusson, C. F. *gr ed* 536 W. 158
Theodore, M. E. 1 *c* 116 Mott
Thieriot, C. † *nm p*
404 Scotland Rd., So. Orange
Thieriot, M. M. † *pl*
Scotland Rd., So. Orange
Thiesen, J. H. *a* 531 W. 113
Thomas, A. † 4 *ed* 523 W. 121
Thomas, A. J. † *gr ed*
92 W. 8, Bayonne
Thomas, C. P. 4 *m* 133 W. 73
Thomas, E. † 3 *pa*
Thomas, E. W. † *pl* 600 W. 122
Thomas, H. C. *pl* 26 Jones
Thomas, J. A., Jr. 4 *s* 531 W. 113
Thomas, J. F. *pl* 105 E. 22
Thomas, L. E. † *ph* 420 W. 116
Thomas, L. G. 1 *l* 55 E. 53
Thomas, M. † 3 *ed*
106 Morningside Dr.
Thomas, R. B. 2 *l*
259 B'way, Flushing
Thomas, W. S. *p* Palisades Pk.
Thomaser, E. *gr ed*
1525 Amsterdam ave.
Thomashefsky, M. 1 *c* 755 Dawson
Thompson, A. H. *p* 520 W. 122
Thompson, E. † 2 *b*
445 Riverside Dr.
Thompson, E. B. † *nm pa*
503 W. 121
Thompson, E. B., Jr. 1 *c*
838 West End ave.
Thompson, E. M. † *p*
210 Madison ave.
Thompson, E. T. *pl* Livingston
Thompson, H. † 1 *pa* 528 W. 114
Thompson, K. M. † *gr ed* 106 E. 52
Thompson, L. H. 3 *l* 431 W. 117
Thompson, M. J. † *gr ed*
362 W. 118
Thompson, O. † *gr ed*
20 DeLap Pl., Jamaica
Thompson, R. W. 2 *c* Tuckahoe
Thompson, S. † *ph* 401 W. 118
Thomson, E. A. † *ph* Whittier
Thomson, G. M. † *gr ed* Whittier
Thomson, J. C. *pl* New Brunswick

Thomson, R. A. 2 *s*
636 Hamilton, Long Island City
Thorburn, T. M. 1 *l*
66 Passaic ave., Clifton
Thorn, E. M. † *phar* 1632 Ave. A
Thorne, A. B. † *nm pl* 784 Fifth ave.
Thurston, B. L. † *ph* 417 W. 120
Thurston, H. W. *pl* 105 E. 22
Tibbetts, H. † 3 *pa* 443 E. 4, Bklyn.
Tichborne, H. M. 2 *s*
106 Morningside Dr.
Tichenor, C. L. 4 *c* 435 W. 117
Tidyman, W. F. *gr ed* 530 W. 123
Tiedemann, K. *ph* 175 Ninth ave.
Tiffany, H. † 1 *b* 527 W. 124
Tighe, S. M. † 1 *b*
44 Morningside Dr.
Tillman, D. † 3 *pa*
179 Milton ave., Rahway
Tilton, H. H. *gr ed*
48 W. Scott Pl., Elizabeth
Timmons, W. C. *pl*
30 Gould ave., Newark
Timoney, M. J. † *ph* 320 E. 201
Tingley, G. † 3 *pa* Rahway
Tinoco, A. 2 *s* Furnald
Tinsley, V. F. *a* Hartley
Titcomb, J. H. 2 *s* 608 W. 113
Titlar, R. S. 4 *c* Hartley
Titus, H. J. 2 *s* Furnald
Titus, L. † *pl* 509 W. 121
Titus, R. M. † 4 *pa* 501 W. 122
Toaz, R. K. *gr ed* Huntington
Tobien, A. P. D. *gr ed*
57 W. High, Somerville
Tobin, E. † 4 *b*
515 Lexington ave., Bklyn.
Tobin, J. L. *pl*
505a Kosciusko, Bklyn.
Tobin, K. † 4 *b* 505 W. 143
Todd, K. W. 2 *c* 565 W. 113
Todd, S. † *nm ed* 602 W. 137
Todd, W. H. 3 *c* 565 W. 113
Toeplitz, J. † *ph*
275 Central Pk. W.
Toledano, R. † 1 *b* 222 W. 141
Tolischus, O. D. 3 *j* Hartley
Tomashoff, S. *phar* 153 Henry
Tomimas, S. *pl* 550 W. 156
Tomiyama, S. *pl* Hartley
Tomlin, S. M. † *p*
1320 Bergen ave., Bklyn.
Tomlinson, D. G. 3 *l* 45 W. 57
Tomlinson, E. H. † 3 *pa* Whittier
Tompkins, E. M. † *p*
2015 Bedford ave., Bklyn.
Tompkins, V. L. † 3 *ed*
246 Clifton ave., Newark
Tonjes, C. 2 *s* 768 Columbus ave.
Tonks, L. 1 *c* 141 W. 84
Tooker, H. C. 1 *m* 318 W. 57
Toombs, F. R. 1 *c*
637 St. Johns Pl., Bklyn.
Topalian, A. B. 1 *j*
418 ave. C, W., Bklyn.
Toporofsky, M. *phar* 33 Essex
Topping, E. F. † 1 *b* 401 W. 118
Tornudd, A. V. *ph* 144 W. 46
Totten, I. † 4 *b*
52 Morningside ave.
Toussaint, E. R. † 4 *pa*
2966 Briggs ave.
Tove, H. B. *nm j*
67 Lexington ave., So. Norwalk
Towers, E. B. 2 *c* 101 W. 80
Towey, A. C. † *nm ed*
43 Henry, Passaic
Towne, M. † 1 *pa*
97 Fairview ave., Jersey City
Townsend, C. P. † 3 *pa* Whittier
Townsend, I. J. *gr ed* Westport
Townsend, L. McD. 2 *c* Hartley
Townsend, R. M. F. *nm s*
52 E. 89
Trabue, E. † 1 *pa* 415 W. 118
Trabue, M. R. *gr ed* 515 W. 122
Tracey, W. W. 3 *m* 333 W. 58
Tracy, M. L. † *ph* 505 W. 121
Trager, C. H. 1 *c* 205 E. 103
Trainer, C. R. 558 W. 113
Trask, C. H. 1 *c* Hartley
Trausil, O. J. 3 *c* 620 W. 116
Travell, I. W. *gr ed*
35 Highwood ave., Ridgewood
Travis, E. † *nm ed* Hillburn
Treat, N. † 3 *pa* 503 W. 121
Tredwell, H. † 4 *pa* Whittier
Treen, A. W. *nm ph* 175 Ninth ave.
Treen, D. B. † *nm pa* 515 W. 122
Treleke, G. E. † 4 *b*
710 Degraw, Bklyn.
Trevey, B. T. *pl* Madison
Treyz, S. L. † 1 *pa* Whittier
Tripp, J. L. † 4 *pa* 415 W. 120
Trischett, S. S. 3 *c*
956 Teller ave.
Troll, A. M. † *pl* 3703 Willett ave.
Trompeter, A. *phar*
2070 Crotona ave.
Trosten, S. † *ph* 304 E. 8
Trowbridge, B. H. † *ph*
421a Hancock, Bklyn.
Trowbridge, J. H. 1 *c* 540 W. 113

Trowbridge, K. † 2 *b*
165 Audubon ave.
Trowbridge, S. R. *gr ed*
421a Hancock, Bklyn.
Trubek, L. 2 *s* 164 Manhattan ave.
True, E. M. † *nm pa* Whittier
Truland, H. N. † 4 *pa* 311 W. 95
Trumble, B. E. † 4 *pa* 523 W. 121
Trumbull, G. L. 2 *l* 358 W. 123
Trundle, E. † 3 *b* Brooks
Tsai, M. C. 2 *c* Livingston
Tsoyee, C. *gr ed* 551 W. 169
Tucker, F. L., Jr. 2 *c*
464 Ninth, Bklyn.
Tucker, G. E. 2 *s* Great Neck Sta.
Tucker, G. I. 4 *j* 521 W. 122
Tucker, R. L. *pl* 1870 Cruger ave.
Tulchin, L. *phar* 224 E. 7
Tully, J. H. 4 *ed* 314 W. 17
Tunis, R. *nm l* 27 W. 44
Turck, V. † *p* 460 Riverside Dr.
Turets, D. 4 *c* Hartley
Turitz, F. P. † *nm b*
1048–40, Bklyn.
Turner, A. 1 *c* Briarcliff Manor
Turner, D. M. † 3 *b* 60 W. 76
Tuthill, I. † *nm b*
87 Lafayette, Bklyn.
Tuttle, H. L. † 3 *pa* 537 W. 121
Tuttle, J. R. *p*
Tuttle, M. B. † 1 *pa* 414 W. 121
Tuttle, M. W. 1 *l* Middletown
Tuttle, W. N. *pl* 600 W. 122
Tweedy, M. M. † *p*
930 West End ave.
Twitchell, S. E. † *gr ed* 510 W. 124
Tyler, H. G. *p*
79 Lefferts Pl., Bklyn.
Tyson, E. † 1 *pa*
247 Pelhamdale ave. Pelham

Uhl, M. R. † 3 *pa* 503 W. 121
Uhlig, F. R. 1 *c*
31 Covert, Bklyn.
Uhlig, S. E. † 2 *b*
31 Covert, Bklyn.
Ulann, E. K. † *ph*
Ulrey, C. *p* Furnald
Ulrich, F. *pl* 600 W. 122
Underhill, E. M. 3 *s* 536 W. 114
Underhill, N. † *ph*
2139 Seventh ave.
Underhill, R. † *gr ed* Mineola
Underwood, E. L. † 1 *pa*
Whittier
Underwood, H. A. † 3 *pa*
Whittier
Underwood, I. J. † *nm ed*
Caldwell
Unger, J. † *pl* 75 E. 90
Unger, J. J. 4 *m* 162 W. 85
Untermeyer, E. M. *pl*
970 Park ave.
Untermyer, E. 3 *l* 970 Park ave.
Updike, G. E. 3 *c* 565 W. 113
Upham, C. † *pl* 401 W. 118
Upton, L. † *nm b* Brooks
Urich, J. J. K. *nm s*
626–75, Bklyn.

Vadelton, W. S. 2 *c* Hartsdale
Vaeth, J. A. *ph* 425 W. 124
Vail, B. D. *gr ed*
18 Cottage Pl., White Plains
Vail, E. A. † *gr ed* 17 W. 124
Vail, J. I. B. 2 *m* 350 W. 58
Valensi, A. 4 *m* 243 E. 18
Valentine, J. D. *a* 550 W. 114
Valentine, K. S. 3 *s* 550 W. 114
Valentine, S., Jr. 1 *c*
62 Eighth ave., Bklyn.
Valvano, J. A. *phar* 2059 First ave.
Valverde, H. 2 *s* 202 W. 74
Van, Y. T. *p* 419 W. 118
Van Akin, V. A. † 4 *pa* Whittier
Van Alstyne, M. † *nm b*
Pelham Rd., New Rochelle
Van Auken, A. † 2 *b*
225 Murray, Elizabeth
Van Bach, W. † *nm pa*
90 Morningside Dr.
van Buren, M. P. 3 *s* 531 W. 113
Van Derwerker, E. E. 2 *m*
318 W. 57
Van de Water, S. H. 2 *c*
2626 B'way
VanDivort, M. E. † *gr ed*
181 Post Rd., White Plains
Van Doren, D. H. 1 *l*
138 Prospect, E. Orange
van Duyn, E. † 2 *b* 612 W. 135
VanDyck, A. D. † 1 *pa* Whittier
Van Gaasbeek, H. C. 3 *c*
3645 B'way
Van Ingen, R. S. 1 *l*
99 Herkimer, Bklyn.
Van Name, C. S. *a* 618 W. 113
Van Ness, C. C. 2 *c*
121 Mt. Pleasant ave., Newark
Van Nostrand, C. R. *nm s*
466 Maple ave., Elizabeth
Van Nostrand, H. † 1 *b*
Little Neck
Van Raalte, B. E. 1 *c* 10 W. 87

Van Riper, G. † 1 *pa*
2771 Boulevard, Jersey City
Van Sicklen, C. D. 1 *l* Bayside
Van Siclen, J. R. 1 *c*
Ditmas ave., Queens
Van Syckle, E. L. † 3 *ed* Leonia
Vanuxem, M. † *gr ed*
99 Broad, Newark
Van Vhit, A. E. † *gr ed*
Van Vliet, A. E. † *gr ed*
Van Volkenburgh, E. † 1 *pa*
Whittier
Van Voorhis, A. J. *phar*
Highland Falls
Van Wagenen, M. A. † *nm ed*
415 W. 128
Van Wagenen, M. J. † *gr ed*
415 W. 128
Van Wagner, E. † 2 *b* Grantwood
Vartanian, V. H. *ph*
541 Lexington ave.
Vaughan, D. M.† 3 *pa*
34 So. Ninth ave., Mt. Vernon
Vaughan, G. W., Jr.
34 So. Ninth ave., Mt. Vernon
Vaughan, J. A. 3 *l* Furnald
Vaughan, W. S. 2 *s* Roselle
Vaun, E. E. *gr ed* 547 W. 123
Vedder, H. B. 1 *c* 44 E. 76
Velebir, A., Jr. *nm l* 419 W. 119
Vernon, J. B. *pl* Hartley
Ver Nooy, H. † 2 *pa* 419 W. 121
Vertrees, J. H. *gr ed*
White Plains
Vessa, M. E. *gr ed*
140 Skillman ave., Bklyn.
Vevia, A. C. † *gr ed* 415 W. 120
Viggiano, N. *phar* 183 Bleecker
Vincent, L. M. 2 *m* 514 W. 122
Virden, E. H. 1 *c* 1443 Ferris Pl.
Virden, G. D. *phar* 604 W. 146
Viscardi, F. P. *phar* 131 W. 61
Voigt, H. H. W. *phar*
809 Myrtle ave., Bklyn.
Volckening, L. I. 1 *c*
778 Greene ave., Bklyn.
Vollmer, D. W. 3 *s* 614 W. 113
Vollmer, H. E. 1 *c* 75 W. 119
Voloshen, J. *phar*
141 Second ave.
vom Saal, R. E. 4 *c* 536 W. 114
von Bermuth, A. F. 2 *c*
614 W. 113
Von der Au, M. † *nm ed* 501 W. 121
von Deesten, A. P. 4 *s*
80 Foxal, Bklyn.
von Doenhoff, D. † *sp b*
191 Claremont ave.
Von Emburgh, G. H. 2 *c*
694 Devon, Arlington
Von Heimburg, F. 3 *s* 515 W. 147
VonHofe, F. H. 2 *m*
176 No. Centre, Orange
VonHofe, G. D., Jr. *gr ed*
176 No. Centre, Orange
von Nardroff, R. *p*
397 Madison, Bklyn.
vonRohr, I. † 1 *pa* Whittier
von Shrader, A. H. 3 *j*
112 Cathedral Pkwy.
von Sothen, C. E. H. 616 W. 113
von Voigtlander, M. C. L. † *ph*
122 Pierrepont, Bklyn.
Voorhies, J. 4 *j*
2566 Ocean ave., Bklyn.
Vosburgh, M. † 2 *pa* Whittier
Voyse, M. † *ph*
409 Palisade ave., Yonkers
Vreeland, H., Jr. 2 *l*
79 Summit ave., Jersey City
Vreeland, J. B. 1 *c* Maplewood

Wachenheimer, R. † 1 *b* 315 W. 94
Wachtell, E. H. † *gr ed*
1226 Boston Rd.
Wack, W. H. 3 *l* 2175 Eighth ave.
Wadel, E. G. 2 *s* Livingston
Wadsworth, L. J. † 3 *pa*
1312 Caton ave., Bklyn.
Wagenstein, E. † *phar* 7 W. 116
Wagg, F. P. *gr ed* 400 W. 118
Wagner, F. C. *pl* 600 W. 122
Wagner, R., Jr. † *c* 931 Fox
Wagoner, J. C. † 3 *ed*
110 Orchard, Newark
Wainright, K. † 1 *b* Brooks
Wainright, W., Jr. 3 *l* 68 W. 51
Waite, C. † *gr ed* 501 W. 120
Waite, J. R. *ph* 412 W. 115
Wakefield, M. L. † 3 *pa* Whittier
Wakeley, W. E. 4 *m*
420 Main, Orange
Walker, A. D. † *nm ed* Closter
Walker, B. † 1 *b* 661 E. 242
Walker, B. L. † 4 *pa* Whittier
Walker, J. A. † *p* Whittier
Walker, J. C. † *gr ed*
32a Hampton Pl., Bklyn.
Walker, L. † 4 *b* 220 W. 129
Walker, L. E. † 4 *ed* Whittier
Walker, L. G. † 2 *pa* 510 W. 124
Walker, M. A. † *nm b* 228 W. 72

Walker, M. R. 3 *l*
924 West End ave.
Walker, R. *pl* 600 W. 122
Walker, R. M. 1 *l*
924 West End ave.
Walker, W. F. 2 *s*
414 Riverside Dr.
Wallace, E. † *pl* 164 Eighth ave.
Wallace, E. N. † 3 *b* 411 W. 114
Wallace, F. L. 2 *l*
110 Manhattan ave.
Wallace, M. E. † 3 *pa* 537 W. 121
Wallach, B. E. *phar* 57 E. 111
Wallach, E. † 3 *b* 95 W. 119
Wallach, J. C. 2 *s* 736 E. 5
Wallack, M. 1 *c* 69 W. 119
Waller, K. A. † 4 *pa* 515 W. 124
Wallerstein, E. † 1 *pa* Whittier
Walling, E. J. † *nm ed*
124 Westervelt Pl., Passaic
Wallis, E. † *gr ed* Whittier
Walser, K. E. 2 *l* 430 W. 119
Walsh, E. A. † 3 *ed* 415 W. 118
Walsh, H. V. *a*
602 So. B'way, Yonkers
Walsh, H. V. 1 *m* 25 E. 128
Walsh, J. J. *gr ed* 69 E. 130
Walsh, J. V. *gr ed* 572 W. 141
Walsh, M. 2 *s*
332 Tompkins ave., New Brighton
Walsh, M. A. † *ph* 621 W. 179
Walsh, N. † 1 *pa* 621 W. 179
Walstrom, A. S. † *nm pa*
522 W. 123
Walter, C. † 1 *b* 140 W. 79
Walters, E. † 4 *pa* 415 W. 120
Walter, J. B. † *pl*
116 Riverside Dr.
Walter, M. 2 *s* 145 W. 92
Walther, E. C. *gr ed*
64 Lawrence
Walther, H. E. † 2 *b*
201 No. High, Mt. Vernon
Walther, T. H. † 3 *pa*
1969 Seventh ave.
Waltman, H. R. 1 *l* Furnald
Walton, J. S † 4 *pa* Whittier
Waltz, O. W. 1 *c* Spring Valley
Wampler, B. L. † *gr ed* 415 W. 118
Wanderman, S. S. 1 *m* 125 E. 11
Wang, C. *pl* Furnald
Wang, C. F. *p* Hartley
Wang, H. C. *p* Hartley
Wang, Y. 2 *c* Hartley
Wang, Y. T. *p* Hartley
Wang-Shia, C. *pl* Hartley
Wanner, D. E. † 3 *ed* 503 W. 121
Warburton, L. A. † 4 *ed*
527 W. 121
Ward, C. E. *phar* 208 W. 69
Ward, F. T. 2 *c* 600 W. 192
Ward, G. F. † *pl*
49 Claremont ave.
Ward, I. † 4 *pa* Whittier
Ward, J. P. 3 *l* 8 W. 127
Ward, P. T. 1 *c* 310 W. 95
Ward, M. A. † *gr ed* 459 W. 123
Ward, P. W. *ph* 600 W. 122
Ward, W. A. *gr ed* 436 E. 164
Ware, C. C. † *p* 90 Morningside Dr.
Ware, E. R. 2 *m* 152 W. 73
Ware, G. † 3 *ed* 1285 Madison ave.
Warfield, W. 2 *l* Furnald
Warfman, S. *phar*
Warinner, M. S. † *nm pa*
415 W. 118
Warner, C. U. † *nm pa*
100 Morningside Dr.
Warner, D. D. 2 *c* 501 W. 123
Warner, E. † 4 *pa* 417 W. 118
Warner, E. † 1 *pa* 543 W. 123
Warren, G. L. † 3 *pa* Whittier
Warner, L. M. 4 *pa* 129 W. 112
Warren, B. † *pl*
88 Union ave., Mamaroneck
Warschauer, J. † *gr ed* 166 E. 67
Washburn, M. † 1 *b* 527 W. 121
Washburn, N. E. † 4 *ed*
524 W. 123
Washburn, R. F. † 3 *b*
388 Irving ave., Port Chester
Washburn, W. 1 *l* 52 E. 79
Washow, J. 2 *c*
283 Montauk ave., Bklyn.
Wasserman, E. † 4 *b* 111 W. 88
Wasserman, S. *phar* 596 E. 169
Wasteneys, H. *p* 799 Park ave.
Waterbury, A. E. *pl* 503 W. 121
Waterman, C. 1 *c* 220 W. 121
Watkins, W. K. *a* 232 W. 127
Watson, D. † *ph* 87 Fifth ave.
Watson, E. P. † 1 *pa* Whittier
Watson, M. W. † *ph* 258 W. 93
Watson, R. G. 1 *m* 362 W. 57
Watson, T. P. *gr ed* Morristown
Watt, R. W. 2 *c* 540 W. 113
Wattermaker, J. *pl* 105 E. 22
Watters, A. C. 4 *s* 540 W. 158
Watters, C. F. 1 *c*
52 Ann, Port Richmond
Watts, D. G. 2 *j* 135 W. 58
Way, H. D. *p* 524 W. 122
Waycott, F. H., Jr. *a* Hartley
Weathers, B. A., Jr. 3 *l* Livingston

Weaver, E. W. 3 *s*
25 Jefferson ave., Bklyn.
Weaver, J. H. 2 *c*
25 Jefferson ave., Bklyn.
Webb, C. † *nm pl* 135 E. 52
Webb, C. T. *pl* 175 Ninth ave.
Webb, E. G. † 4 *pa* Whittier
Webb, G. R. 2 *s* Hartley
Webb, T. H. 3 *s* 450 Riverside Dr.
Webber, A. J. † 4 *b* 61 E. 86
Weber, A. F. † 1 *pa* Linden
Weber C. † 4 *pa* 501 W. 123
Weber, E. † 4 *ed*
93 Remington ave., Jamaica
Weber, J. W. 1 *m* 66 W. 68
Weber, P. *ph*
610 Bloomfield, Hoboken
Webster, E. J. *pl* 600 W. 122
Webster, J. C. 1 *l* Hartley
Webster, J. C. 4 *s* Livingston
Webster, M. A. † 3 *j* 434 W. 120
Wechsler, A. L. 2 *c*
895 West End ave.
Weed, B. E. † *gr ed* 417 W. 120
Weed, L. A. 3 *c* 565 W. 113
Weeks, E. T. † *pl*
95 Remsen, L. I. City
Weeks, I. M. † *gr ed*
2550 Marion ave.
Weems, R. B. *ph* Furnald
Wegener, J. U. 2 *s* 546 W. 113
Weichert, A. L. † *nm pa*
182 Crescent ave., Leonia
Weick, E. C. † *nm ph* 719 W. 180
Weicker, T. *phar*
Weidenmaier, E. † *gr ed* Whittier
Weil, F. L. 4 *c* 57 W. 87
Weil, M. † 3 *b*
1362 Pacific, Bklyn.
Weiler, E. W. 2 *c* 552 W. 114
Weinar, W. *phar*
122 W. 1, Mt. Vernon
Weinberg, F. J. C. 2 *c* 47 E. 75
Weinberg, J. *phar* 2931 Ridge
Weiner, M. *p* 1354-57, Bklyn.
Weinhandler, M. 2 *c*
8659-21 ave., Bklyn.
Weinshenker, I. *phar* 125 E. 102
Weinstein, A. *phar* 1325 Fifth ave.
Weinstein, A. *p*
968 St. Nicholas ave.
Weinstein, F. † 1 *b* 600 W. 140
Weinstein, F. † 2 *b*
968 St. Nicholas ave.
Weinstein, H. *phar* 302 E. Houston
Weinstein, I. *gr ed* 454 E. 141
Weinstein, S. † 3 *b* 17 W. 120
Weintraub, P. 1 *c* 144 Ave. C
Weintraub, S. 1 *m* 1054 Third ave.
Weirich, M. C. † *ph* 111 E. 127
Weisberg, D. M. † *phar*
979 Boulevard, L. I. City
Weisel, D. D. † 3 *pa* Whittier
Weisenberg, M. *gr ed*
1130 Union ave.
Weiser, S. *gr ed*
1378 Webster ave.
Weiskopf, E. F. 2 *s*
234 Summit ave., Mt. Vernon
Weiss, C. † 3 *b*
180th & Riverside Dr.
Weiss, E. A. 1 *j*
Forest Hills Gardens
Weiss, F. *phar*
79 Jamaica ave., Astoria
Weiss, H. *p*
95 Williams ave., Bklyn.
Weiss, M. H. 1 *c* 373 First ave.
Weiss, R. *phar*
102 Prospect, Winfield
Weissenborn, H. C. 3 *c*
595 Wythe ave., Bklyn.
Weissman, S. *phar* 19 E. 118
Welch, F. M. † 3 *ed*
23 Grover Ter., Passaic
Welding, J. R. 1 *c* 370 W. 120
Weldon, B. † 4 *b*
1 Lincoln, New Rochelle
Welleck, M. N. † 1 *b*
218 Bay 14, Bklyn.
Wellenkamp, J. H. *ph* 435 W. 117
Weller, D. R. *gr ed* Livingston
Welles, A. H. † 1 *pa* Whittier
Welles, L. M. † 3 *ed* 523 W. 121
Welling, J. B. † 2 *pa* Whittier
Welling, L. H. 4 *s* 60 E. 53
Wellman, K. I. † 2 *pa* Whittier
Wellman, W. 2 *j* Furnald
Wells, B. B. † *pl* 509 W. 121
Wells, C. † *p* 2236 University ave.
Wells, F. † *nm ed* 523 W. 121
Wells, H. J. C. *pl* 509 W. 121
Wells, M. E. † *gr ed*
130 Claremont ave.
Wells, T. R. *nm c*
56 Gifford ave., Jersey City
Wells, W. H. 1 *c*
125 Vermilyea ave.
Welsh, F. DeS. 4 *s* 565 W. 113
Welt, B. 1 *c* 209 So. 9, Bklyn.
Welton, W. F. 3 *c* 429 W. 117
Welzmiller, B. W. † *gr ed*
1453 Bryant ave.

Wendel, C. R. † *ph*
1455 E. 18, Bklyn.
Wendell, M. G. † *ph*
281 Edgecombe ave.
Wenger, E. † 3 *pa* Whittier
Wengle, W. *phar* 36 W. 93
Wensley, R. L. 3 *s* 558 W. 113
Wente, E. K. † 3 *pa* Whittier
Werner, M. R. 1 *c* 316 W. 94
Werner, O. H. *ph* 736 W. 181
Wernstedt, E. † 2 *b* 434 W. 120
Wertheimer, J. S. 2 *c* 229 W. 97
Wersebe, A. J. 1 *c* 457 W. 123
Wesner, M. B. † *ph* 435 W. 119
West, G. E. † 4 *ed*
86 Wadsworth ave.
West, L. F. 4 *pa* 384 Jay, Bklyn.
West, R. 2 *m* Princeton
Westerbeke, W. H. 1 *c* 4305 B'way
Westermann, J. J., Jr. 2 *m*
127 E. 34
Westervelt, L. *nm ph* 7 W. 50
Westfall, M. † 4 *pa* 870 W. 180
Weston, A. J. *ph*
160 No. 18, E. Orange
Weston, M. J. † 4 *pa* Whittier
Wetheimer, D. M. † 1 *pa*
Whittier
Wetstein, F. † 1 *pa* 125 E. 82
Wetstein, J. *a* 125 E. 82
Weyant, J. A. 4 *s* Livingston
Weygandt, L. † 1 *b* 154 Hester
Whalen, E. A. *ph* 1219 Taylor ave.
Whalen, F. D. *ph* 223 W. 105
Wheat, F. M. *gr ed*
2456 Bedford ave., Bklyn.
Wheeler, A. L. 1 *j* 414 W. 120
Wheeler, C. † 3 *pa* Whittier
Wheeler, L. † *gr ed* 400 W. 118
Wheeler, M. † *ph* 501 W. 121
Wheeler, P. M. 4 *c* 500 W. 114
Wheeler, R. † 2 *b*
1003 Woodycrest ave.
Wheeler, T. † 1 *pa* Whittier
Wheelock, R. L. *phar*
Whelan, F. R. *ph*
153 Stuyvesant ave., Bklyn.
Wherry, M. † 3 *pa* Whittier
Whipp, E. † *gr ed* 364 W. 121
Whipple, C. † 1 *b* 470-2, Bklyn.
White, A. K. 3 *c*
91 Schermerhorn, Bklyn.
White, B. T. † 3 *j* 421 W. 118
White, E. G. † *p* 430 W. 118
White, G. M. 1 *j* Hartley
White, H. D. *gr ed*
134 Clifton Pl., Jersey City
White, L. † *nm ed*
261 Steuben, Bklyn.
White, L. F. † *pl*
106 Morningside Dr.
White, P. J., Jr. 2 *m* 346 W. 57
White, R. *nm c*
91 Schermerhorn, Bklyn.
White, R. B. † *pl* 55 E. 3
White, W. 4 *s* 531 W. 113
White, W. A. 1 *c*
91 Schermerhorn, Bklyn.
Whiteford, M. B. † *ph* 435 W. 119
Whitehouse, F. V. 3 *c* Hartley
Whitley, H. S. 3 *l*
217 Grand ave., Leonia
Whitlock, F. J. † *nm pa* Whittier
Whitney, A. L. † 4 *pa* Whittier
Whitney, F. F. *ph*
323 Summer, Stanford
Whittaker, B. E. † *gr ed*
Oyster Bay
Whittingham, E. R. 3 *l* Milburn
Whittington, M. C. † 3 *pa*
Whittier
Whyte, M. T. † 3 *pa*
14 Benedict ave., Tarrytown
Wickenden, Y. A. † 4 *pa* Whittier
Wickersham, L. M. *nm j*
536 W. 141
Widoff, P. *phar* 602 E. 138
Wiechmann, W. G. 3 *l* 330 W. 85
Wiecking, A. † *gr ed* Whittier
Wiedman, G. 1 *c*
101 Hawthorne, Bklyn.
Wiener, J. J. 3 *m* 30 W. 68
Wiener, M. G. 3 *c* Hartley
Wiener, W. *gr ed*
62½ Nelson Pl., Newark
Wiesenthal, M. *phar*
114 First ave.
Wiest, E. *pl* 519 W. 121
Wiggins, T. D. 2 *c*
144 So. Grove, Freeport
Wightman, H. J. *nm ed*
53 Elysian ave., Nyack
Wikander, E. A. *a*
58 Morningside ave.
Wikander, H. A. † 4 *ed* Whittier
Wilber, A. B. 2 *c*
54 Morris, Yonkers
Wilber, R. B. † 3 *b*
Sound Beach
Wilcox, R. C. *s* 627 W. 115
Wildman, A. † *ph*
Wilens, I. 2 *m* 68 Lenox ave.
Wilensky, W. *phar* 514 E. 81
Wilgus, W. Q. 2 *l* Furnald
Wilk, H. 3 *l* Furnald

Wilkens, E. A. † 2 *b*
584 Alexander ave.
Willard, E. G. † *nm ed*
326 Summer ave., Newark
Willard, F. † 4 *pa*
16 Mead ave., Passaic
Willbach, H. *pl* 39 Ave. A
Willey, H. 2 *s* 54 W. 123
William, H. G. P. † 1 *b*
110 W. 128
Williams, A. S. † 1 *b*
1089 E. 18 Bklyn.
Williams, C. E. *nm l* 232 W. 129
Williams, C. S. † *gr ed* Whittier
Williams, C. M. † *gr ed* 523 W. 121
Williams, E. E. *nm ph* 4241 B'way
Williams, E. H. *phar* 363 W. 15
Williams, E. J. *ph*
Y. M. C. A., Paterson
Williams, F. F. *gr ed*
Williams, F. P. 4 *s* Furnald
Williams, G. 3 *c* 141 W. 122
Williams, H. G. 3 *pa* Dumont
Williams, H. R. *pl* 600 W. 122
Williams, H. V. *nm l* Hartley
Williams, H. Y. *pl* 600 W. 122
Williams, I. † 1 *b*
148 First ave., Astoria
Williams, J. B. † *pl* 527 W. 121
Williams, J. F. 4 *m*
90 Morningside Dr.
Williams, J. T. *gr ed*
535 Van Cortlandt Park ave., Yonkers
Williams, K. † 4 *b* Brooks
Williams, L. † 2 *pa* Whittier
Williams, L. M. † 2 *pa* Whittier
Williams, M. C. † *ph*
100 Morningside Dr.
Williams, M. E. † *ph*
1090 St. Nicholas ave.
Williams, O. † 2 *b*
12 Grove, Englewood
Williams, R. H. † 1 *pa*
114 Morningside Dr.
Williams, S. C. 2 *c* Furnald
Williams, S. K. † 2 *b* 607 W. 116
Williams, V. † 1 *b*
450–6, Bklyn.
Williams, V. † 1 *b*
1356 Pacific, Bklyn.
Williamson, M. † *nm ed*
500 W. 122
Williamson, M. H. † 3 *pa*
Whittier
Williamson, R. G. 4 *s*
1090 Amsterdam ave.
Willis, H. S. 3 *c*
434 Riverside Dr.
Wills, A. L. *ph* 519 W. 121
Wills, C. E. 3 *m* 346 E. 57
Wills, H. L. † *ph* 519 W. 121
Wills, M. † 3 *b*
2236 University ave.
Wilmot, M. E. † *pl*
391 Dean, Bklyn.
Wilsen, W. H. 4 *c* 633 W. 115
Wilson, A., Jr. 1 *l*
107 Spruce, Newark
Wilson, A. A. † 4 *ed* Whittier
Wilson, A. J. M. *ph*
175 Ninth ave.
Wilson, A. S. *phar* 234 E. 96
Wilson, A. T. † *gr ed* 525 W. 120
Wilson, D. A. 2 *l* 435 W. 119
Wilson, E. † *gr ed*
110 Morningside Dr.
Wilson, E. † 4 *pa* 501 W. 120
Wilson, E. E. *sp s* 610 W. 116
Wilson, F. R. 1 *c* Hartley
Wilson, G. 2 *s* 149 E. 52
Wilson, J. 3 *m*
162 York, Jersey City
Wilson, J. A. 4 *c* Furnald
Wilson, L. † 2 *b* 149 E. 52
Wilson, L. M. † 4 *pa* 422 W. 115
Wilson, M. A. † *gr ed* Whittier
Wilson, M. C. † *pl*
326 Lincoln ave., Orange
Wilson, M. F. † *nm b* 618 W. 114
Wilson, M. M. † *gr ed*
70 Morningside Dr.
Wilson, M. M. † 3 *pa* Whittier
Wilson, M. N. † 2 *pa*
34 Gramercy Pk.
Wilson, P. C. † *ph*
21 Morningside ave.
Wilson, R. B. 3 *l* Hartley
Wilson, W. A. 3 *l* Livingston
Wilson, W. C. 1 *c*
110 Kent, Bklyn.
Wilson, W. F. *a* Livingston
Winans, C. B. 1 *c* 416 W. 122
Winchell, J. A. † 4 *pa*
176 Elm ave., Mt. Vernon
Windsor, C. C. *sp s* Furnald
Winfield, M. E. † 4 *ed* Whittier
Wing, A. E. † *pl* 116 E. 63
Winkler, M. *ph*
1601 Madison ave.
Winslow, E. A. † *pl* 521 W. 122
Winslow, J. W. 1 *c* Hartley
Winslow, W. V. 3 *pa* Furnald
Winsor, F. H., Jr. Furnald

Winternitz, D. H. 3 *m* 422 W. 57
Winters, J. C. † 4 *pa* Whittier
Wirklich, H. W. 1 *m* 136 Attorney
Wirtenberg, H. *phar*
138 Fourth ave.
Wise, A. J. † *nm ed*
349 Central Pk., W.
Wise, R. L. 3 *c* Hartley
Wise, S. 1 *m* 362 W. 57
Wiseman, R. C. *a* 430 Lafayette
Wishnieff, H. V. † 2 *b*
9 Columbus ave.
Wittner, H. D. † 1 *pa*
195 St. Nicholas ave., Bklyn.
Witzell, P. J. 3 *c* 618 W. 113
Wlodaver, S. G. 1 *c* 149 E. B'way
Wobber, F. † 2 *b* 521 W. 122
Woellner, F. *gr ed* 94 Lawrence
Wohlgemuth, M. W. 4 *s*
1102 Ave. P, Bklyn.
Woititz, E. † 2 *b* 250 W. 94
Wolcott, J. R. 1 *c* 14 Irving Pl.
Wolf, A. M. † 4 *pa*
1183 Woodycrest ave.
Wolf, I. M. 2 *c* 560 W. 180
Wolf, M. *pl* 522 W. 123
Wolf, W. I. 1 *l* 22 E. 81
Wolff, M. P. † *pl* Whittier
Wolff, M. S. 4 *c* 880 W. 180
Wolff, P. † 1 *pa* 1227 Madison ave.
Wolff, S. *ph* 84 E. 108
Wolfner, I. B. 2 *c* 166 W. 87
Wolfson, A. 2 *s* 47 Essex
Wolfson, D. L. † 4 *pa* 322 W. 87
Wolinsky, P. 3 *l*
224–13, College Point
Wolper, E. V. † 1 *pa*
1911 Madison ave.
Woltmann, J. H. 1 *c*
108 Macon, Bklyn.
Wong, Y. S. *pl* Hartley
Wood, A. H. 4 *c* 557 W. 124
Wood, F. A. 3 *c* 612 W. 116
Wood, J. F. † 3 *ed*
70 Morningside Dr.
Wood, J. S. 3 *l* Livingston
Wood, M. M. † *ph* 505 W. 124
Wood, N. † 3 *b*
Englewood ave., Englewood
Wood, P. M. 3 *c* 618 W. 113
Wood, R. U. *p* 462 Convent ave.
Woodbury, D. O. † 2 *pa* Whittier
Woodhouse, C. D. 3 *l* 635 Park ave.
Woodruff, A. † 1 *pa* Whittier
Woodruff, W. H. 4 *c* Furnald
Woods, F. M. *gr ed* 509 W. 123
Woods, M. C. † *gr ed*
106 Morningside Dr.
Woods, M. I. † *nm ed*
738 Chauncey, Bklyn.
Woods, W. W. 4 *j* Livingston
Woodward, B. J. † *pl* 135 E. 52
Woodward, C. A. *pl* 600 W. 122
Woodwell, C. S. 4 *s* 522 W. 123
Woody, A. M. † *nm ed* 503 W. 121
Woody, C. *gr ed* 515 W. 122
Wooledge, S. M. † *ph* Greenwich
Woolfolk, R. B. 4 *s* Furnald
Wooten, B. A. *p* 322 W. 113
Worden, O. E. † *gr ed* 501 W. 120
Workman, A. J. † 3 *ed*
168 Willoughby ave., Bklyn.
Worsmer, F. E. 3 *s* 100 W. 91
Wormser, R. A. 2 *c* 100 W. 91
Worstell, H. S. † *pl* 234 W. 113
Wortmann, C. J. † 3 *pa*
38 Lafayette ave., Bklyn.
Worts, G. F. *nm j* 405 W. 118
Worth, C A. *p* 2063 Mapes ave.
Wray, H. C. 1 *l* 500 W. 122
Wright, C. D. † 3 *ed* 105 W. 88
Wright, E. † 1*b* 490 Riverside Dr.
Wright, F. S. 4 *s* 618 W. 113
Wright, G. † *gr ed* Huntington
Wright, G. L. † 3 *pa* 31 W. 11
Wright, J. M. *pl* 534 W. 124
Wright, K. W. *ph* 2776 Morris ave.
Wright, L. R. *phar* 110 W. 136
Wright, P. † 3 *pa* Whittier
Wright, S. A. *pl* 600 W. 122
Wright, W. R. *p* Livingston
Wu, K. Y. *pl* Hartley
Wu, Y. L. *nm s* 422 W. 115
Wu, Y. T. † 4 *ed* Whittier
Wulfing, F. W. 4 *c*
659 Metropolitan ave., Bklyn.
Wurm, C., Jr. 4 *c* 606 W. 164
Wurster, W. F. 4 *s* 327 Lenox ave.
Wurzbach, F. A., Jr. 2 *c*
381 W. 165
Wyckoff, H. E. † *pl* 523 W. 121
Wyckoff, M., † 4 *b*
42 Lincoln, Glen Ridge
Wylie, A. T. *gr ed* 509 W. 122
Wyman, G. H. 1 *l* Furnald
Yampolsky, C. *p* 609 W. 127
Yampolsky, J. 2 *m* 886 Kelly
Yang, K. E. *pl*
106 Morningside Dr.
Yang, S. Z. *p* Furnald
Yasui, S. *pl* 465 E. 57
Yates, A. B. † *p* 417 W. 118

Yeaton, W. L., Jr. 1 *m*
1107 Park ave., Hoboken
Yen, C. 2 *s* Hartley
Yenter, L. J. † *gr ed* Whittier
Yerkes, H. A., Jr. 1 *c*
109 Ithaca, Elmhurst
Yles, J. 3 *pa*
341 Williams ave., Bklyn.
Yohalem, M. † *ph* 74 E. 93
Yohannon, I. *gr ed* 557 W. 124
Yokelson, S. C. 2 *s*
196 Vernon ave., Bklyn.
York, H. S. 4 *m* 14 W. 60
Yost, R. † *p* 530 W. 123
Young, A. G. *phar*
5 Mt. Morris Pk. W.
Young, A. J. † *nm ed* Morristown
Young, B. F. *pl* Livingston
Young, D. B. *p* Hartley
Young, E. D. † *gr ed* Brooks
Young, E. M. † *ph* 501 W. 121
Young, J. J., Jr. 4 *m*
149 Bedford ave., Bklyn.
Young, L. C. † *gr ed*
110 Morningside Dr.
Young, M. H. † 3 *j* Whittier
Young, R. E. † 4 *pa* 515 W. 124
Young, W. H. *pl* 600 W. 122
Youngs, H. C. † 2 *b* 600 W. 115
Younker, R. M. W. † 4 *b*
166 W. 87
Younkin, W. L. *nm a* 415 W. 118
Yung, L. S. 1 *c* Furnald
Yungerman, H. † 2 *pa*
127 Ludlow

Zabriskie, A. † 1 *pa* 530 W. 123
Zagat, H. † 4 *b*
184 Claremont ave.
Zagat, L. † *gr ed* 973 Summit ave.
Zagat, R. † 1 *b* 515 W. 110
Zasofsky, P. † 1 *pa* Livingston
Zavidovich, M. M. 4 *s*
1995 Douglass, Bklyn.
Zeiger, S. 2 *c*
157 Van Buren, Bklyn.
Zeitlin, R. † *ph* 1346 Lyman Pl.
Zeltner, G. A. 1 *c*
1464 Washington ave.
Zeman, D. † 2 *pa*
17 Spencer Pl., Bklyn.
Zeman, F. D. 2 *m*
17 Spencer Pl., Bklyn.
Zenker, O. † *ph* 351 E. 84
Zeroff, M. *phar* 11 W. 113
Zevie, R. † *gr ed* 143 W. 111
Zeydel, E. H. *ph*
46 Westminster Rd., Bklyn.
Zhen, M. S. *p* Livingston
Ziegler, J. M. 1 *m* 155 E. 97
Zilbersher, S. I. *nm s*
100 St. Nicholas ave.
Zimmer, D. B. 3 *c* 111 W. 120
Zinco, E. B. † *ph*
108 Barnett Pl., Van Nest
Zins, M. 3 *s* 133 W. 113
Zinsser, J. S. *p*
Hastings-on-Hudson
Zion, L. 4 *m* 783 Beck
Zodikoff, S. C. 1 *c* 541 W. 124
Zoellner, H. W. 1 *c* Hartley
Zucker, L. W. *phar*
126 Washington, Hoboken
Zucker, S. *nm pa* 191 Forsyth
Zuckerman, S. 3 *s*
281 Division ave., Bklyn.
Zung, Y. C. *p* Hartley
Zychlinski, L. W. 1 *c*
452 Cherry

SUMMARY

OFFICERS

Professors (not including 3 administrative officers of professorial rank)	171		
Associate Professors	46		
Assistant Professors	109		
Clinical Professors	24		
Associates	43		
Instructors	158		
Curators	3		
Lecturers and other Special Officers of Instruction	25		
Assistants	85		
Clinical Assistants	105		
University Officers of Instruction		769	
Other Instructors in Teachers College		112	
Other Instructors in College of Pharmacy		7	
			888
University Officers of Administration			41
Other Officers of Administration, Barnard College, Teachers College and College of Pharmacy			8
			937
Emeritus Officers			14
Total			951
Horace Mann School and Speyer School (*not included above*)			92

STUDENTS

Columbia College:			
Fourth-year class		150	
Third-year "		166	
Second-year "		244	
First-year "		513	
Non-matriculated		44	
			1117
The School of Law:			
Third-year class		104	
Second-year "		128	
First-year "		178	
Non-matriculated		43	
			453
Carried forward			1570

Brought forward		1570
The School of MEDICINE:		
Fourth-year class	86	
Third-year "	71	
Second-year "	75	
First-year "	107	
Non-matriculated	34	
		— 373
The Schools of MINES, ENGINEERING, AND CHEMISTRY:		
Fourth-year class	139	
Third-year "	128	
Second-year "	167	
First-year "	...	
Non-matriculated	48	
		— 480
School of ARCHITECTURE		113
MUSIC		2
The School of JOURNALISM:		
Fourth-year class	19	
Third-year "	39	
Second-year "	27	
First-year "	42	
Non-matriculated	11	
		— 138
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		2059
TOTAL		4735
BARNARD COLLEGE		733
TEACHERS COLLEGE:		
School of Education		1026
School of Practical Arts		966
COLLEGE OF PHARMACY		495
TOTAL		7955
Deduct Double Registration		633
NET TOTAL OF RESIDENT STUDENTS		7322
Summer Session Students, 1914	5590	
Deduct Double Registration	1048	
		—4542
GRAND TOTAL OF RESIDENT STUDENTS		11864
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Students in Special Classes at Teachers College		1799

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